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Prices, Budgets, Salaries, and Income
Spring Issue
(April 1982)

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PRICES, BUDGETS, SALARIES AND INCOME

Spring Issue
(April 1982)

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CONSUMER PRICE INDEX CHANGES

Homeownership Changes

On October 27, 1981, the Bureau of Labor Statistics announced its intention to change the way in which homeownership costs are measured for the Consumer Price Index. Effective with data for January 1983, the Consumer Price Index for All Urban Consumers (CPI-U) will incorporate a rental equivalence measure for homeownership costs. Effective with data for January 1985, the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) will also incorporate the rental equivalence approach.

Postponement of Rebasing of Consumer Price Index

Because of severe budget constraints, the Bureau of Labor Statistics will not be able to carry out the Government directive to rebase the Consumer Price Index to the new U.S. Government 1977=100 reference base. Postponement is required because of the high cost of both the direct production work necessary to prepare the data and the information services to explain the change. No alternative date for adopting the 1977 reference base has been set.

Outlet Sample Changes

Beginning with data for January 1982, prices collected from the sample of stores and service establishments selected for the Consumer Price Index for All Urban Consumers (CPI-U), also will be used for the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W). This modification will result in a significant reduction in data collection and processing costs. The weighting structure of the CPI-W will not be changed; it will continue to represent the spending patterns of the urban wage earner and clerical worker population.

INTRODUCTION

Prices, Budgets, Salaries, and Income (PBSI) features historical and current statistics of economic significance to state and local education associations. The 29 tables are arranged in four series: consumer prices, family budgets, salaries, and income. Regional, state, and local data are included whenever possible. Because data from the NEA and from federal sources are revised periodically, regular users of *PBSI* are cautioned not to rely on prior *PBSI* editions, for the information they seek may have been further revised in the latest issue for the sake of statistical accuracy.

Creative uses of PBSI data can serve several diverse association purposes. These might include: organizing and membership, negotiations and fact-finding, or communications and public relations. Depending upon one's particular needs it is possible to generate data showing growth rates, projections, comparisons, ratios, etc. It is often useful to relate data from one section of the report to that of another. For example, salary increases may be related to consumer prices, or family budgets may be related to personal income and teacher salaries. Because there are many possible combinations, any one of which might be relevant to a particular local situation, they cannot all be contained in this report. Instead, the basic data are given in the four major sections.

In addition to these syntheses PBSI users should explore possibilities of incorporating state and local tax rate and collection data into their files of basic economic information. The state-local partnership in financing schools depends on the balance of income, sales, and property taxes to provide the dollars for this task. Increasingly this revenue side of the school finance equation must be monitored to assure that education recieves its fair share of available resources. Although such information is beyond the scope of this Research Memo it is essential to an understanding of local economic conditions and the ability to support education.

HIGHLIGHTS

Teacher salaries for 1981-82 averaged $18,976, a 7.8 percent increase over last year (Table 10).

For school year 1981-82 the Consumer Price Index is projected to increase by 8.0 percent (Table 1). Over the five-year period, 1976-77 through 1981-82 prices increased by 60 percent and teacher salaries by slightly over 40 percent (Tables 1 and 10).

Goods and services you paid $10 for during the 1971-72 school year are estimated to cost $23 in 1981-82 (Table 3).

Teacher salaries as a percent of the intermediate standard budget continue to fall further behind from 88.5 percent in 1971 to 76.1 percent in 1980 (Table 9).

Regions that predominantly include bargaining states still pay the highest teacher salaries for 1981-82; Far West, $22,252, Mideast, $21,061; and Great Lakes, $20,044. Lowest teacher salaries for 1981-82 are paid in predominantly nonbargaining regions: Southeast, $16,353; Plains, $17,340 and Southwest, $17,526. The difference between the bargaining and nonbargaining regions is about $6,000 per year (Table 10).

Regionally the CPI increase from December 1980 to December 1981 was highest for the South at 10.0 percent (Table 3) whereas average salaries only increased by 7.2 percent for teachers in the Southeast (Table 10).

Average earnings of full-time state, local, and city employees show slightly greater increases in earnings from 1973 to 1980 in comparison to average earnings for instructional personnel in local schools and average salary paid teachers (Tables 14 and 16).

While the minimum scheduled salary for Federal G.S. Classified employees has increased 43.2 percent from 1975-1980, average minimum salary for teachers has increased only 34.1 percent (Tables 18 and 20).

Beginning salaries for teachers with a B.A. degree in 1980 were lower than any professional occupation as reported by BLS (Table 19), and starting offers for any subjects field as reported in Endicott reports (Table 20) or College Placement Council reports (Table 22).

The more education and higher degrees a teacher earns the less money they make in relation to beginning offers for other curriculum fields. For example, when the average teacher minimum salary for the B.,A., M.A. and Doctorate degree levels are indexed to 100 for 1980-81, the respective index for the beginning offer in chemistry is 160.4, 186.3, and 195.8. In money this means $7,106 at the B.A. degree level to a $14,053 difference at the doctorate level (Tables 22, 23, and 24).

Over the five years from 1975 to 1980, family income and per capita income has increased by 53.2 percent and 61.4 percent respectively while teacher's average salaries have only increased by 39.1 percent (Table 25 and 27). Similarly, earnings of production workers have increased by 43.8 percent showing teacher salaries are falling further behind (Table 29).

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TABLE 1.—CONSUMER PRICE INDEX, ALL ITEMS, 1970 TO 1982 (1967 = 100.0)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Average for year	Percent change from previous year
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1970........	113.3	113.9	114.5	115.2	115.7	116.3	116.7	116.9	117.5	118.1	118.5	119.1	116.3	5.9
1971........	119.2	119.4	119.8	120.2	120.8	121.5	121.8	122.1	122.2	122.4	122.6	123.1	121.3	4.3
1972........	123.2	123.8	124.0	124.3	124.7	125.0	125.5	125.7	126.2	126.6	126.9	127.3	125.3	3.3
1973........	127.7	128.6	129.8	130.7	131.5	132.4	132.7	135.1	135.5	136.6	137.6	138.5	133.1	6.2
1974........	139.7	141.5	143.2	143.9	145.5	146.9	148.0	149.9	151.7	153.0	154.3	155.4	147.7	11.0
1975........	156.1	157.2	157.8	158.6	159.3	160.6	162.3	162.8	163.6	164.6	165.6	166.3	161.2	9.1
1976........	166.7	167.1	167.5	168.2	169.2	170.1	171.1	171.9	172.6	173.3	173.8	174.3	170.5	5.8
1977........	175.3	177.1	178.2	179.6	180.6	181.8	182.6	183.3	184.0	184.5	185.4	186.1	181.5	6.5
CPI-W[a]														
1978........	187.1	188.4	189.7	191.4	193.3	195.3	196.7	197.7	199.1	200.7	201.8	202.9	195.3	7.6
1979........	204.7	207.1	209.3	211.8	214.3	216.9	219.4	221.5	223.7	225.6	227.6	230.0	217.7	11.5
1980........	233.3	236.5	239.9	242.6	245.1	247.8	248.0	249.6	251.9	254.1	256.4	258.7	247.0	13.5
1981........	260.7	263.5	265.2	266.8	269.1	271.4	274.6	276.5	279.1	279.9	280.4	281.1	272.3	10.2
b...........	11.7	11.4	10.5	10.0	9.8	9.5	10.7	10.8	10.8	10.1	9.4	8.7		
1982........	282.1													
b...........	8.2													
CPI-U[c]														
1978........	187.2	188.4	189.8	191.5	193.3	195.3	196.7	197.8	199.3	200.9	202.0	202.9	195.4	7.7
1979........	204.7	207.1	209.1	211.5	214.1	216.6	218.9	221.1	223.4	225.4	227.5	229.9	217.4	11.3
1980........	233.2	236.4	239.8	242.5	244.9	247.6	247.8	249.4	251.7	253.9	256.2	258.4	246.8	13.5
1981........	260.5	263.2	265.1	266.8	269.0	271.3	274.4	276.5	279.3	279.9	280.7	281.5	272.4	10.4
b...........	11.7	11.3	10.6	10.0	9.8	9.6	10.7	10.9	11.0	10.2	9.6	8.9		
1982........	282.5													
b...........	8.4													

Percent change, January 1972 to January 1982: 129.3%
Percent change, January 1977 to January 1982: 61.2%

School year	CPI (September to August)[d]	Percent change from previous year
1970-71	119.8	4.9
1971-72	123.9	3.4
1972-73	129.6	4.6
1973-74	142.2	9.7
1974-75	157.4	10.7
1975-76	167.7	6.5
1976-77	177.7	6.0
1977-78	190.0	6.9
1978-79	209.0	10.0
1979-80	237.3	13.5
1980-81	263.9	11.2
1981-82 (est.) ...	285.0	8.0

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *The Consumer Price Index*, various dates.

[a] CPI-W = Revised CPI for urban wage earners and clerical workers.

[b] Percent change of the month's CPI from the same month's CPI of the previous year.

[c] CPI-U = CPI for all urban consumers.

[d] Percent changes and the school year CPI computed by NEA Research.

TABLE 2.—CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U),[1] ALL ITEMS—U.S. CITY AVERAGE AND SELECTED AREAS (1967 = 100.0, unless otherwise noted)

Area[2]	Other index base	Indexes				Percent change to Dec. 1981 from—			Percent change to Nov. 1981 from—		
		Sept. 1981	Oct. 1981	Nov. 1981	Dec. 1981	Dec. 1980	Oct. 1981	Nov. 1981	Nov. 1980	Sept. 1981	Oct. 1981
1	2	3	4	5	6	7	8	9	10	11	12
U.S. city average		279.3	279.9	280.7	281.5	8.9	0.6	0.3	9.6	0.5	0.3
Chicago, Ill.-Northwestern Ind.		276.9	276.1	277.0	273.9	5.2	–0.8	-1.1	6.6	0.0	0.3
Detroit, Mich.		284.2	281.5	279.6	278.3	3.2	-1.1	–0.5	5.0	-1.6	–0.7
L.A.-Long Beach, Anaheim, Calif.		279.3	281.3	281.8	282.3	9.1	0.4	0.2	10.3	0.9	0.2
N.Y., N.Y.-Northeastern N.J		268.8	268.0	267.8	267.9	8.3	0.0	0.0	9.4	–0.4	–0.1
Philadelphia, Pa.-N.J.		274.4	274.7	274.1	274.9	9.7	0.1	0.3	10.0	–0.1	–0.2
Anchorage, Alaska	10/67	250.5	...	253.7	...	...	...	...	7.3	1.3	...
Baltimore, Md.		279.9	...	280.7	...	...	...	...	8.6	0.3	...
Boston, Mass.		272.8	...	274.2	...	...	...	...	10.2	0.5	...
Cincinnati, Ohio-Ky.-Ind.		275.2	...	276.6	...	...	...	...	5.5	0.5	...
Denver-Boulder, Colo.		298.9	...	297.8	...	...	...	...	9.5	–0.4	...
Miami, Fla.	11/77	150.2	...	153.6	...	...	...	...	14.7	2.3	...
Milwaukee, Wisc.		286.9	...	287.5	...	...	...	...	9.7	0.2	...
Northeast Pennsylvania		271.5	...	272.2	...	...	...	...	10.2	0.3	...
Portland, Oreg.-Wash.		291.1	...	278.7	...	...	...	...	6.4	–4.3	...
St. Louis, Mo.-Ill.		273.4	...	273.8	...	...	...	...	7.9	0.1	...
San Diego, Calif.		313.9	...	321.3	...	...	...	...	15.1	2.4	...
Seattle-Everett, Wash.		288.6	...	289.2	...	...	...	...	10.1	0.2	...
Washington, D.C.-Md.-Va.		271.8	...	275.5	...	...	...	...	8.6	1.4	...
Atlanta, Ga.		...	281.5	...	282.2	9.3	0.2	...	...	...	...
Buffalo, N.Y.		...	262.5	...	264.3	7.2	0.7	...	...	...	...
Cleveland, Ohio		...	282.8	...	281.6	5.7	–0.4	...	...	...	...
Dallas-Fort Worth, Texas		...	292.5	...	295.1	9.5	0.9	...	...	...	...
Honolulu, Hawaii		...	259.3	...	258.3	9.4	–0.4	...	...	...	...
Houston, Texas		...	300.0	...	302.7	10.2	0.9	...	...	...	...
Kansas City, Mo.-Kans.		...	272.6	...	273.5	5.6	0.3	...	...	...	...
Minneapolis-St. Paul, Minn.-Wisc.		...	291.6	...	298.7	15.3	2.4	...	...	...	...
Pittsburgh, Pa.		...	277.7	...	281.8	7.6	1.5	...	...	...	...
San Francisco-Oakland, Calif.		...	297.0	...	294.0	15.3	-1.0	...	...	...	...
Region[3]											
Northeast	12/77	...	147.2	...	148.0	9.0	0.5	...	...	...	...
North Central	12/77	...	149.8	...	150.3	7.1	0.3	...	...	...	...
South	12/77	...	150.9	...	153.0	10.0	1.4	...	...	...	...
West	12/77	...	154.5	...	154.2	9.8	–0.2	...	...	...	...
Population size class[3]											
A-1	12/77	...	148.1	...	147.8	7.6	–0.2	...	...	...	...
A-2	12/77	...	152.6	...	153.5	9.9	0.6	...	...	...	...
B	12/77	...	152.7	...	153.9	9.5	0.8	...	...	...	...
C	12/77	...	149.6	...	151.8	9.2	1.5	...	...	...	...
D	12/77	...	148.9	...	149.4	9.0	0.3	...	...	...	...
Region/population size class cross classification[3]											
Northeast/A	12/77	...	143.8	...	144.2	8.6	0.3	...	...	...	...
North Central/A	12/77	...	152.6	...	152.6	6.5	0.0	...	...	...	...
South/A	12/77	...	150.9	...	152.0	9.4	0.7	...	...	...	...
West/A	12/77	...	156.3	...	156.1	10.9	–0.1	...	...	...	...
Northeast/B	12/77	...	152.3	...	152.9	9.4	0.4	...	...	...	...
North Central/B	12/77	...	148.8	...	149.2	6.6	0.3	...	...	...	...
South/B	12/77	...	153.4	...	155.9	10.6	1.6	...	...	...	...
West/B	12/77	...	155.0	...	155.1	9.7	0.1	...	...	...	...
Northeast/C	12/77	...	156.2	...	159.2	10.7	1.9	...	...	...	...
North Central/C	12/77	...	145.9	...	147.4	7.9	1.0	...	...	...	...
South/C	12/77	...	149.2	...	152.3	9.9	2.1	...	...	...	...
West/C	12/77	...	149.2	...	149.4	7.9	0.1	...	...	...	...
Northeast/D	12/77	...	149.2	...	150.7	9.4	1.0	...	...	...	...
North Central/D	12/77	...	146.7	...	147.6	8.4	0.6	...	...	...	...
South/D	12/77	...	149.4	...	150.8	10.5	0.9	...	...	...	...
West/D	12/77	...	152.1	...	149.1	6.7	–2.0	...	...	...	...

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *The Consumer Price Index*, various dates.

[1] Indexes measure time-to-time changes in prices. They do not indicate whether it costs more to live in one area than in another.

[2] Area includes the urban portion of the corresponding Standard Metropolitan Statistical Area (SMSA) except for L.A.-Long Beach, Anaheim, which is an aggregation of two SMSA's, and for New York and Chicago, which are the more extensive Standard Consolidated Areas. Area definitions are those established by the Office of Management and Budget and do not include revisions made since 1973.

[3] Regions are defined as the four Census regions.

The population size classes are aggregations of areas which have urban population as defined below:

A-1 More than 4,000,000
A-2 1,250,000 to 4,000,000
B 385,000 to 1,250,000
C 75,000 to 385,000
D Less than 75,000.

Population size class A is the aggregation of population size classes A-1 and A-2.

TABLE 3.—CONSUMER PRICE INDEX BASE YEAR CONVERSIONS

School year	Sept.-Aug. CPI	1967-68 base	1968-69 base	1969-70 base	1970-71 base	1971-72 base	1972-73 base	1973-74 base	1974-75 base	1975-76 base	1976-77 base	1977-78 base	1978-79 base	1979-80 base
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1967-68	102.6	100.0												
1968-69	107.8	105.1	100.0											
1969-70	114.2	111.3	105.9	100.0										
1970-71	119.8	116.8	111.1	104.9	100.0									
1971-72	123.9	120.8	114.9	108.5	103.4	100.0								
1972-73	129.6	126.3	120.2	113.5	108.2	104.6	100.0							
1973-74	142.2	138.6	131.9	124.5	118.7	114.8	109.7	100.0						
1974-75	157.4	153.4	146.0	137.8	131.4	127.0	121.5	110.7	100.0					
1975-76	167.7	163.5	155.6	146.8	140.0	135.4	129.4	117.9	106.5	100.0				
1976-77	177.7	173.2	164.8	155.6	148.3	143.4	137.1	125.0	112.9	106.0	100.0			
1977-78	190.0	185.2	176.3	166.4	158.6	153.3	146.6	133.6	120.7	113.3	106.9	100.0		
1978-79	209.0	203.7	193.9	183.0	174.5	168.7	161.3	147.0	132.8	124.6	117.6	110.0	100.0	
1979-80	237.3	231.3	220.1	207.8	198.1	191.5	183.1	166.9	150.8	141.5	133.5	124.9	113.5	100.0
1980-81	263.9	257.2	244.8	231.1	220.3	213.0	203.6	185.6	167.7	157.4	148.5	138.9	126.3	111.2
1981-82 (est.) .	285.0	277.8	264.4	249.6	237.9	230.0	219.9	200.4	181.1	169.9	160.4	150.0	136.4	120.1

The CPI may be converted to any base year by dividing the September to August CPI for the year to be converted by the September to August CPI for the base year selected, and multiplying the quotient by 100. For example, to convert the 1979-80 CPI to a 1974-75 base year: 237.3 ÷ 157.4 = 1.508 × 100 = 150.8

TABLE 4.—PURCHASING POWER OF THE DOLLAR, 1970 TO 1982 (1967 = $1.00)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1970 ...	.883	.878	.873	.868	.864	.860	.857	.855	.851	.847	.844	.840	.860
1971 ...	.839	.838	.835	.832	.828	.823	.821	.819	.818	.817	.816	.812	.824
1972 ...	.812	.808	.806	.805	.802	.800	.797	.796	.792	.790	.788	.786	.798
1973 ...	.783	.778	.770	.765	.760	.755	.754	.740	.738	.732	.727	.722	.751
1974 ...	.716	.707	.698	.695	.687	.681	.676	.667	.659	.654	.648	.644	.677
1975 ...	.641	.636	.634	.631	.628	.623	.616	.614	.611	.608	.604	.601	.620
1976 ...	.600	.598	.597	.595	.591	.588	.584	.582	.579	.577	.575	.574	.587
1977 ...	.570	.565	.561	.557	.554	.550	.548	.546	.543	.542	.539	.537	.551
1978 ...	.534	.531	.527	.522	.517	.512	.508	.506	.502	.498	.495	.493	.512
1979 ...	.489	.483	.478	.473	.467	.462	.457	.452	.448	.444	.440	.435	.460
1980 ...	.429	.423	.417	.412	.408	.404	.404	.401	.397	.394	.390	.387	.405
1981 ...	.384	.380	.377	.375	.372	.369	.364	.362	.358	.357	.356	.355	.367
1982 ...	.354	.353											

SOURCE: Computed from data in Table 1.

TABLE 5.—ESTIMATED ANNUAL COSTS OF THREE BUDGETS FOR A FOUR-PERSON FAMILY, FALL 1976 TO FALL 1980[a]

Area	Fall 1976	Fall 1977	Fall 1978	Fall 1979	Fall 1980	Percent increase Fall 1980 over Fall 1979
1	2	3	4	5	6	7
Lower Budget:						
Urban United States	$10,041	$10,481	$11,546	$12,585	$14,044	11.6
Metropolitan areas[b]	10,189	10,636	11,685	12,722	14,203	11.6
Nonmetropolitan areas[c]	9,382	9,790	10,925	11,972	13,331	11.4
Intermediate Budget:						
Urban United States	16,236	17,106	18,622	20,517	23,134	12.8
Metropolitan areas[b]	16,596	17,498	18,982	20,935	23,597	12.7
Nonmetropolitan areas[c]	14,625	15,353	17,016	18,651	21,070	13.0
Higher Budget:						
Urban United States	23,759	25,202	27,420	30,317	34,409	13.5
Metropolitan areas[b]	24,492	25,983	28,186	31,187	35,391	13.5
Nonmetropolitan areas[c]	20,486	21,712	24,000	26,432	30,024	13.6

SOURCES: U.S. Department of Labor, Bureau of Labor Statistics. *Monthly Labor Review*, various issues; Press Release USDL: 81-195, April 22, 1981.

[a] The family consists of an employed husband, age 38, a wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy.

[b] Standard Metropolitan Statistical Areas.

[c] Places with 2,500 to 50,000 inhabitants.

TABLE 6.—ANNUAL COSTS OF BUDGETS FOR THREE LIVING STANDARDS,[a] FALL 1980

Budget item	Urban United States								
	Total			Metropolitan areas[b]			Nonmetropolitan areas[c]		
	Lower	Intermed.	Higher	Lower	Intermed.	Higher	Lower	Intermed.	Higher
1	2	3	4	5	6	7	8	9	10
Total budget	$14,044	$23,134	$34,409	$14,203	$23,597	$35,391	$13,331	$21,070	$30,024
Total cost of family consumption	11,243	16,969	23,267	11,352	17,250	23,803	10,752	15,712	20,872
Food	4,321	5,572	7,025	4,371	5,641	7,167	4,098	5,258	6,393
Housing—total	2,608	5,106	7,747	2,652	5,220	7,969	2,412	4,598	6,755
Transportation	1,160	2,116	2,751	1,103	2,126	2,801	1,413	2,071	2,528
Clothing and personal care	1,259	1,763	2,556	1,271	1,779	2,576	1,201	1,696	2,465
Medical care	1,298	1,303	1,359	1,334	1,339	1,396	1,136	1,143	1,194
Other family consumption[d]	597	1,109	1,829	621	1,145	1,894	492	946	1,537
Other items[e]	583	957	1,610	587	967	1,637	569	913	1,491
Social Security and disability insurance	881	1,427	1,608	894	1,456	1,611	825	1,299	1,596
Personal income taxes	1,337	3,781	7,924	1,370	3,924	8,340	1,185	3,146	6,065

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics. Press Release, USDL: 81-195, April 22, 1981.

[a] The family consists of an employed husband, age 38, wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy.

[b] Standard Metropolitan Statistical Areas.

[c] Places with population of 2,500 to 50,000.

[d] Reading, recreation, education, tobacco, alcoholic beverages, education, and miscellaneous expenses.

[e] Gifts and contributions, life insurance, and occupational expenses.

TABLE 7.—INTERCITY AND AREA COMPARISONS OF A CITY WORKER'S FAMILY BUDGET FOR AN INTERMEDIATE STANDARD OF LIVING, FALL 1976 TO FALL 1980

Area	Total budget[a]					Percent increase, Fall 1980 over Fall 1979[d]
	Fall 1976	Fall 1977	Fall 1978	Fall 1979	Fall 1980	
1	2	3	4	5	6	7
United States	$16,263	$17,106	$18,622	$20,517	$23,134	12.8
Metropolitan areas[b]	16,596	17,498	18,982	20,935	23,597	12.7
Nonmetropolitan areas[c]	14,625	15,353	17,016	18,651	21,070	13.0
Northeast						
Boston, Mass.	19,384	20,609	22,117	24,381	27,029	10.9
Buffalo, N.Y.	17,238	18,298	19,517	21,806	23,995	10.0
Hartford, Conn.	17,238	17,796	19,392	*e*	*e*	...
Lancaster, Pa.	15,685	16,322	17,982	*e*	*e*	...
New York—Northeastern N.J.	18,866	19,972	21,587	23,856	26,749	12.1
Philadelphia, Pa.—N.J.	16,836	17,792	19,416	21,436	24,364	13.7
Pittsburgh, Pa.	15,515	16,516	18,008	19,890	22,492	13.1
Portland, Maine	16,633	17,578	19,186	*e*	*e*	...
Nonmetropolitan areas[c]	16,040	17,052	18,694	20,730	23,319	12.5
North Central						
Cedar Rapids, Iowa	15,976	16,681	18,224	*e*	*e*	...
Champaign—Urbana, Ill.	16,578	17,223	19,076	*e*	*e*	...
Chicago, Ill.—Northwestern Ind.	16,561	17,330	18,794	20,564	23,387	13.7
Cincinnati, Ohio—Ky.—Ind.	15,708	16,547	18,354	20,287	22,681	11.8
Cleveland, Ohio	16,412	17,411	18,987	20,868	23,429	12.3
Dayton, Ohio	15,101	15,695	17,430	*e*	*e*	...
Detroit, Mich.	16,514	17,427	19,145	20,821	23,168	11.3
Green Bay, Wisc.	16,008	16,768	18,490	*e*	*e*	...
Indianapolis, Ind.	15,911	16,695	18,193	*e*	*e*	...
Kansas City, Mo.—Kans.	15,628	16,486	18,262	19,618	22,504	14.7
Milwaukee, Wisc.	17,307	18,230	20,025	21,387	24,028	12.3
Minneapolis—St. Paul, Minn.	16,810	17,813	19,389	21,426	23,630	10.3
St. Louis, Mo.—Ill.	15,623	16,377	17,897	19,963	22,248	11.4
Wichita, Kans.	15,102	15,994	17,783	*e*	*e*	...
Nonmetropolitan areas[c]	14,926	15,658	17,363	18,876	21,288	12.8
South						
Atlanta, Ga.	14,830	15,483	16,897	18,821	21,131	12.3
Austin, Texas	14,209	14,776	16,211	*e*	*e*	...
Baltimore, Md.	16,195	17,204	18,699	20,316	23,389	15.1
Baton Rouge, La.	14,472	15,283	16,806	*e*	*e*	...
Dallas, Texas	14,699	15,313	16,714	18,301	20,766	13.5
Durham, N.C.	15,525	16,369	18,074	*e*	*e*	...
Houston, Texas	14,978	15,488	17,114	19,025	21,572	13.4
Nashville, Tenn.	14,821	15,290	16,627	*e*	*e*	...
Orlando, Fla.	14,378	14,910	16,334	*e*	*e*	...
Washington, D.C.—Md.—Va.	16,950	18,026	20,105	22,206	25,203	13.5
Nonmetropolitan areas[c]	13,855	14,471	16,024	17,454	19,769	13.3
West						
Bakersfield, Calif.	15,004	15,686	17,168	*e*	*e*	...
Denver, Colo.	15,906	16,711	18,565	20,468	22,813	11.5
Los Angeles—Long Beach, Calif.	16,016	17,126	17,722	19,871	22,500	13.2
San Diego, Calif.	15,989	16,721	17,707	20,088	22,727	13.1
San Francisco—Oakland, Calif.	17,200	18,519	19,427	21,478	24,704	15.0
Seattle—Everett, Wash.	16,204	17,211	18,671	20,719	23,392	12.9
Honolulu, Hawaii	19,633	20,883	23,099	25,799	28,488	10.4
Nonmetropolitan areas[c]	14,627	15,334	17,350	19,384	21,933	13.2
Anchorage, Alaska	23,071	24,019	26,329	27,933	29,682	6.3

SOURCES: U.S. Department of Labor, Bureau of Labor Statistics, *Monthly Labor Review*, various issues; Press Release, USDL: 81-195, April 22, 1981.

[a] The family consists of an employed husband, age 38, a wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy.

[b] Standard Metropolitan Statistical Areas.

[c] Places with population of 2,500 to 50,000.

[d] Computed by NEA Research from data presented.

[e] Data are no longer available as a result of the revision in the CPI program. Estimates for these areas are included in the U.S. urban average.

TABLE 8.—INDEX OF INTERCITY AND AREA COMPARISONS OF A CITY WORKER'S FAMILY BUDGET FOR AN INTERMEDIATE STANDARD OF LIVING, FALL 1976 TO FALL 1980

Area	Total budget[a]				
	Fall 1976	Fall 1977	Fall 1978	Fall 1979	Fall 1980
1	2	3	4	5	6
United States	100.0	100.0	100.0	100.0	100.0
Metropolitan areas	102.2	102.3	101.9	102.0	102.0
Nonmetropolitan areas	90.1	89.8	91.4	90.9	91.9
Northeast					
Boston, Mass.	119.4	120.5	118.8	118.8	116.8
Buffalo, N.Y.	105.8	106.7	104.8	106.3	103.7
Hartford, Conn.	106.2	104.0	104.3	*b*	*b*
Lancaster, Pa.	96.6	95.4	96.6	*b*	*b*
New York—Northeastern N.J.	116.2	116.8	115.9	116.3	115.6
Philadelphia, Pa.—N.J.	103.7	104.0	104.3	104.5	105.3
Pittsburgh, Pa.	96.5	96.6	96.7	96.9	97.2
Portland, Maine	102.4	102.8	103.0	*b*	*b*
Nonmetropolitan areas	98.8	99.7	100.4	101.0	100.8
North Central					
Cedar Rapids, Iowa	98.4	97.5	97.9	*b*	*b*
Champaign—Urbana, Ill.	102.1	100.7	102.4	*b*	*b*
Chicago, Ill.—Northwestern Ind.	102.0	101.3	100.9	100.2	101.1
Cincinnati, Ohio—Ky.—Ind.	96.7	96.7	98.6	98.9	98.0
Cleveland, Ohio	101.1	101.8	102.0	101.7	101.3
Dayton, Ohio	93.0	91.8	93.6	*b*	*b*
Detroit, Mich.	101.7	101.9	102.8	101.5	100.1
Green Bay, Wisc.	98.6	98.0	99.3	*b*	*b*
Indianapolis, Ind.	98.0	97.6	97.7	*b*	*b*
Kansas City, Mo.—Kans.	96.3	96.4	98.2	95.6	97.3
Milwaukee, Wisc.	106.6	106.6	107.5	104.2	103.9
Minneapolis—St. Paul, Minn.	103.5	104.1	104.1	104.4	102.1
St. Louis, Mo.—Ill.	96.2	95.7	96.1	97.3	96.2
Wichita, Kans.	93.0	93.5	95.5	*b*	*b*
Nonmetropolitan areas	91.9	91.5	93.2	92.0	92.0
South					
Atlanta, Ga.	91.3	90.5	90.7	91.7	91.3
Austin, Texas	87.5	86.4	87.1	*b*	*b*
Baltimore, Md.	99.7	100.6	100.4	99.0	101.1
Baton Rouge, La.	88.9	89.3	90.2	*b*	*b*
Dallas, Texas	90.5	89.5	89.8	89.2	89.8
Durham, N.C.	95.6	95.7	97.1	*b*	*b*
Houston, Texas	92.3	90.5	91.9	92.7	93.2
Nashville, Tenn.	91.3	89.4	89.3	*b*	*b*
Orlando, Fla.	88.6	87.2	87.7	*b*	*b*
Washington, D.C.—Md.—Va.	104.4	105.4	108.0	108.2	108.9
Nonmetropolitan areas	85.3	84.6	86.0	85.1	85.8
West					
Bakersfield, Calif.	92.4	91.7	92.2	*b*	*b*
Denver, Colo.	98.0	97.7	99.7	99.8	98.6
Los Angeles—Long Beach, Calif.	98.6	100.1	95.2	96.9	97.3
San Diego, Calif.	98.5	97.7	95.1	97.9	98.2
San Francisco—Oakland, Calif.	105.9	108.3	104.3	104.7	106.8
Seattle—Everett, Wash.	99.8	100.6	100.3	101.0	101.1
Honolulu, Hawaii	120.9	122.1	124.0	125.7	123.1
Nonmetropolitan areas	87.9	89.6	93.2	94.3	94.8
Anchorage, Alaska	142.1	140.4	141.4	136.1	128.3

[a] Computed by NEA Research from data in Table 7.

[b] Data are no longer available as a result of the revision in the CPI program.

TABLE 9.—TOTAL BUDGET FOR AN INTERMEDIATE STANDARD OF LIVING COMPARED TO AVERAGE SALARIES PAID TEACHERS, FALL 1971 TO FALL 1980

Budget date	Total budget—intermediate standard	Average salary paid teachers*	Percent that teacher's salary is of total budget
1	2	3	4
Fall 1971	$10,971	$ 9,705	88.5
Fall 1972	11,446	10,176	88.9
Fall 1973	12,626	10,778	85.4
Fall 1974	14,333	11,690	81.6
Fall 1975	15,318	12,653	82.6
Fall 1976	16,236	13,342	82.2
Fall 1977	17,106	14,247	83.3
Fall 1978	18,622	15,057	80.9
Fall 1979	20,517	15,966	77.8
Fall 1980	23,134	17,602	76.1

SOURCES: U.S. Department of Labor, Bureau of Labor Statistics, *Monthly Labor Review*, various issues; Press Release USDL: 81-195, April 22, 1981; and NEA Research estimates.

*For school years 1971-72 to 1980-81.

TABLE 10.—AVERAGE SALARIES PAID TEACHERS, BY REGION, 1971-72 TO 1981-82[a]

Year	New England	Mideast	Southeast	Great Lakes	Plains	Southwest	Rocky Mountain	Far West[b]	Average, all regions
1	2	3	4	5	6	7	8	9	10
1971-72	$ 9,848	$10,962	$ 8,164	$10,176	$ 8,980	$ 8,492	$ 8,699	$11,058	$ 9,705
1972-73	10,244	11,607	8,585	10,717	9,293	8,710	9,002	11,630	10,176
1973-74	10,750	12,272	9,249	11,264	9.757	8,993	9,547	12,579	10,778
1974-75	11,895	13,269	9,883	12,415	10,373	9,852	10,364	13,688	11,690
1975-76	12,715	14,487	10,531	13,237	11,259	11,194	11,423	14,949	12,653
1976-77	13,403	15,338	11,063	14,008	12,118	11,582	12,436	15,743	13,342
1977-78	14,256	16,206	12,155	14,872	12,735	12,627	13,241	16,618	14,247
1978-79	15,637	17,038	13,011	15,652	13,582	13,158	14,127	17,354	15,057
1979-80	16,325	18,178	13,712	16,868	14,381	14,201	15,322	17,910	15,964
1980-81	17,404	19,554	15,248	18,611	15,900	15,878	17,114	20,637	17,602
1981-82	18,478	21,061	16,353	20,044	17,340	17,526	18,700	22,252	18,976
INDEX: Average, all regions = 100.0									
1971-72	101.5	113.0	84.1	104.9	92.5	87.5	89.6	113.9	100.0
1972-73	100.7	114.1	84.4	105.3	91.3	85.6	88.5	114.3	100.0
1973-74	99.7	113.9	85.8	104.5	90.5	83.4	88.6	116.7	100.0
1974-75	101.8	113.5	84.5	106.2	88.7	84.3	88.7	117.1	100.0
1975-76	100.5	114.5	83.2	104.6	89.0	88.5	90.3	118.1	100.0
1976-77	100.5	115.0	82.9	105.0	90.8	86.8	93.2	118.0	100.0
1977-78	100.1	113.8	85.3	104.4	89.4	88.6	92.9	116.6	100.0
1978-79	103.9	113.2	86.4	104.0	90.2	87.4	93.8	115.3	100.0
1979-80	102.3	113.9	85.9	105.7	90.1	89.0	96.0	112.2	100.0
1980-81	98.9	111.1	86.6	105.7	90.3	90.2	97.2	117.2	100.0
1981-82	97.4	111.0	86.2	105.6	91.4	92.4	98.5	118.7	100.0

SOURCE: National Education Association—Research estimates.

[a] Other than for 1980-81, all salary figures have been revised by NEA Research.

[b] Excludes Alaska and Hawaii prior to 1980-81.

TABLE 11.—AVERAGE 1980-81 SALARIES PAID TO FACULTY EMPLOYED ON NINE-MONTH CONTRACTS AND PERCENT OF INCREASE OVER 1979-80 IN PUBLIC INSTITUTIONS OF HIGHER EDUCATION BY TYPE AND BY STATE

State	Public universities		Public other four-year		Public two-year	
	Average salary	Percent of increase	Average salary	Percent of increase	Average salary	Percent of increase
1	2	3	4	5	6	7
Alabama	$23,022	14.9	$20,147	9.0	$19,547	15.9
Alaska	36,402	20.7	32,067	18.3	38,178	24.4
Arizona	27,405	5.5	24,809	11.7	23,392	10.2
Arkansas	23,337	8.9	18,810	7.0	15,854	6.1
California	32,115	11.4	29,113	11.4	28,620	10.7
Colorado	25,553	8.9	22,016	8.3	18,648	11.6
Connecticut	28,217	6.4	23,534	8.3	21,028	9.2
Delaware	25,233	8.6	21,217	8.0	20,755	6.7
District of Columbia	...	...	25,273	2.5	...	...
Florida	25,449	15.3	23,452	14.2	18,250	2.5
Georgia	24,648	10.3	22,493	11.9	18,949	21.4
Hawaii	26,230	7.3	22,074	6.7	21,876	7.3
Idaho	23,379	8.5	20,494	6.9	18,601	7.7
Illinois	25,789	9.0	22,746	8.2	22,531	8.0
Indiana	24,858	11.5	21,424	11.6	15,482	6.5
Iowa	24,045	8.8	21,817	6.5	18,472	8.0
Kansas	23,687	7.4	19,952	6.7	18,021	10.5
Kentucky	24,264	11.7	20,649	8.7	16,426	14.6
Louisiana	24,349	7.6	21,123	11.8	18,270	13.6
Maine	21,437	10.3	20,388	8.4	16,776	4.5
Maryland	24,656	12.1	24,024	11.8	22,478	5.0
Massachusetts	26,909	5.1	22,501	2.4	18,424	0.8
Michigan	27,953	10.1	23,138	8.8	23,902	5.9
Minnesota	27,242	7.3	22,324	7.4	21,544	7.4
Mississippi	21,904	9.1	19,748	10.8	16,793	12.3
Missouri	25,396	8.5	21,727	9.4	20,872	10.0
Montana	21,241	6.0	20,440	5.9	18,625	7.4
Nebraska	24,785	13.0	19,811	7.3	16,216	7.4
Nevada	25,738	5.5	24,749	5.4	19,649	7.6
New Hampshire	22,713	6.9	19,802	15.1	17,119	7.9
New Jersey	27,438	14.7	24,860	10.5	21,952	7.4
New Mexico	24,408	10.1	22,679	10.8	19,119	11.7
New York	27,380	4.9	25,304	3.1	23,751	7.6
North Carolina	26,897	12.9	22,150	14.2	15,417	11.6
North Dakota	21,356	7.7	19,887	7.3	18,764	8.7
Ohio	25,456	10.2	24,140	13.5	19,948	9.9
Oklahoma	23,348	10.4	21,786	12.7	19,245	19.0
Oregon	23,693	7.1	22,300	8.2	20,509	4.8
Pennsylvania	26,046	8.9	25,710	5.6	19,866	6.8
Rhode Island	25,959	8.5	22,932	9.6	20,879	8.7
South Carolina	24,858	10.1	20,606	9.6	16,279	11.4
South Dakota	20,195	10.3	19,379	8.5	15,943	14.7
Tennessee	24,280	6.8	21,774	8.1	17,245	7.0
Texas	24,091	8.2	20,786	6.1	19,621	10.7
Utah	25,857	10.8	22,024	12.2	19,340	15.7
Vermont	22,727	9.5	16,203	-2.1	16,433	8.2
Virginia	25,198	8.1	21,362	9.8	17,906	9.6
Washington	26,473	7.4	23,583	7.0	22,281	8.5
West Virginia	22,015	7.1	19,429	7.0	16,218	9.1
Wisconsin	28,533	8.9	23,564	8.5	21,365	9.0
Wyoming	26,585	8.7	...	...	20,692	13.6
50 STATES AND D.C.	25,578	9.4	23,481	8.5	22,218	8.6

SOURCE: National Education Association. *Average Faculty Salaries in Public Institutions of Higher Education by State, 1980-81.* Research Memo. Washington, D.C.: the Association, 1982.

TABLE 12.—MEAN SCHEDULED MINIMUM AND MAXIMUM SALARIES OF PUBLIC AND NONPUBLIC INSTITUTIONS GRANTING THE FOUR-YEAR BACHELOR'S OR HIGHER DEGREE, 1975-76 TO 1980-81

Position	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	Percent change, 1980-81 over 1979-80
1	2	3	4	5	6	7	8
SCHEDULED MINIMUM SALARIES							
Instructor							
Public	$ 9,722	$10,453	$10,971	$11,420	$12,163	$13,158	8.2
Nonpublic	8,759	9,118	9,724	10,260	10,939	11,855	8.2
Assistant professor							
Public	11,493	12,411	13,060	13,454	14,373	15,417	7.3
Nonpublic	10,183	10,711	11,317	11,988	12,759	13,780	8.0
Associate professor							
Public	14,006	15,076	15,982	16,411	17,518	18,874	7.7
Nonpublic	11,969	12,545	13,339	14,158	15,000	16,355	9.0
Professor							
Public	17,068	18,357	19,444	20,067	21,403	23,082	7.8
Nonpublic	14,192	14,762	15,765	16,559	17,507	19,158	9.4
SCHEDULED MAXIMUM SALARIES							
Instructor							
Public	$13,749	$14,598	$15,344	$16,368	$18,085	19,844	9.7
Nonpublic	11,305	11,747	12,627	13,173	14,058	15,365	9.3
Assistant professor							
Public	16,933	18,053	19,132	20,556	22,560	25,017	10.9
Nonpublic	13,784	14,380	15,401	16,148	17,241	18,850	9.3
Associate professsor							
Public	20,592	21,855	23,159	24,958	27,411	30,363	10.8
Nonpublic	16,031	16,751	17,903	18,735	19,996	21,915	9.6
Professor							
Public	25,387	26,713	28,171	30,714	34,140	37,842	10.8
Nonpublic	19,123	19,897	21,321	22,273	23,778	26,248	10.4

SOURCE: NEA Research. *Salaries Scheduled for Faculty in Higher Education, 1980-81.* Washington, D.C.: the Association, 1982.

TABLE 13.—MEAN SCHEDULED MINIMUM AND MAXIMUM SALARIES, PUBLIC TWO-YEAR COLLEGES, 1975-76 TO 1980-81

(For schedules based on preparation level)

Preparation level full-time teaching staff	School year						Percent change, 1980-81 over 1979-80
	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	
1	2	3	4	5	6	7	8
Bachelor's degree:							
Minimum	$ 9,527	$10,358	$10,777	$11,533	$12,057	$13,594	12.7
Maximum	14,452	15,712	16,361	17,236	18,294	20,592	12.6
Master's degree:							
Minimum	10,492	11,291	11,771	12,486	13,146	14,817	12.7
Maximum	16,128	17,269	18,160	19,268	20,404	22,918	12.3
Six years (M.A. + 30):							
Minimum	11,448	12,285	12,760	13,620	14,353	16,131	12.4
Maximum	17,484	18,725	19,546	20,939	22,001	24,768	12.6
Doctor's degree:							
Minimum	12,754	13,485	14,121	14,828	15,813	17,756	12.3
Maximum	19,329	20,346	21,424	22,540	24,160	27,380	13.3
INDEX: B.A. MINIMUM = 100.0							
Bachelor's degree:							
Minimum	100.0	100.0	100.0	100.0	100.0	100.0	...
Maximum	151.7	151.7	151.8	149.5	151.7	151.5	...
Master's degree:							
Minimum	110.1	109.0	109.2	108.3	109.0	109.0	...
Maximum	169.3	166.7	168.5	167.1	169.2	168.6	...
Six years (M.A. + 30):							
Minimum	120.2	118.6	118.4	118.1	119.0	118.7	...
Maximum	183.5	180.8	181.4	181.6	182.5	182.2	...
Doctor's degree:							
Minimum	133.9	130.2	131.0	128.6	131.2	130.6	...
Maximum	202.9	196.4	198.8	195.4	200.4	201.4	...

SOURCE: NEA Research. *Salaries Scheduled for Faculty in Higher Education, 1980-81*. Washington, D.C.: the Association, 1982.

TABLE 14.—AVERAGE EARNINGS* OF FULL-TIME STATE AND LOCAL GOVERNMENT EMPLOYEES, BY SELECTED FUNCTIONS, 1973 TO 1980

Function	1973	1974	1975	1976	1977	1978	1979	1980	Percent change, 1980 over 1979
1	2	3	4	5	6	7	8	9	10
Total, all functions	$10,164	$10,788	$11,520	$12,252	$12,936	$13,668	$14,724	$16,044	9.0
Education	10,848	11,388	12,144	12,900	13,620	14,412	15,420	16,827	9.1
Local schools	10,680	11,136	11,868	12,588	13,236	14,028	15,012	16,368	9.0
Instructional personnel	11,976	12,336	13,080	13,884	14,652	15,564	16,668	18,156	8.9
Institutions of higher education	11,556	12,420	13,308	14,136	15,168	15,984	17,112	18,720	9.4
Instructional personnel	15,888	17,436	18,384	19,632	20,988	21,996	23,616	26,004	10.1
Functions other than education	9,552	10,236	10,968	11,664	12,324	13,020	14,100	15,353	8.9
Highways	9,168	9,636	10,308	10,992	11,664	12,576	13,548	14,856	9.7
Public welfare	8,376	9,144	9,636	10,464	11,148	11,604	12,492	13,344	6.8
Hospitals	8,100	8,652	9,300	9,876	10,500	11,076	12,036	13,152	9.3
Health	9,912	10,620	11,292	12,108	12,756	13,164	14,220	15,468	8.8
Police protection	11,160	11,988	12,900	13,824	14,904	15,396	16,764	17,796	6.2
Local fire protection	12,000	12,816	14,052	14,760	15,900	16,692	17,904	18,948	5.8
Local parks and recreation	8,626	9,228	9,888	10,428	10,752	11,268	12,468	13,572	8.9
Airport	9,900	10,548	11,952	12,360	13,488	14,268	15,648	17,076	9.1
Correction	10,152	10,968	11,628	12,516	13,116	13,836	14,796	15,948	7.8
Local libraries	7,896	8,376	9,072	9,672	10,260	10,860	11,664	12,540	7.5
Financial administration	8,988	9,804	10,344	11,172	11,826	12,480	13,488	14,532	7.7
Local utilities:									
Water supply	9,468	10,128	10,740	11,556	12,144	12,864	13,992	15,348	9.7
Electric power	11,460	12,192	13,404	14,796	15,360	16,224	17,856	19,944	11.7
Transit	13,392	13,956	15,660	15,924	17,076	18,420	18,948	21,480	13.4
Gas supply	9,180	10,536	10,368	11,568	12,372	13,092	14,112	15,000	6.3
INDEX: LOCAL SCHOOL INSTRUCTIONAL PERSONNEL = 100.0									
Total, all functions	84.9	87.5	88.1	88.2	88.3	87.8	88.3	88.4	
Education	90.6	92.3	92.8	92.9	93.0	92.6	92.5	92.7	
Local schools	89.2	90.3	90.7	90.7	90.3	90.1	90.1	90.2	
Instructional personnel	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Institutions of higher education	96.5	100.7	101.7	101.8	103.5	102.7	102.7	103.1	
Instructional personnel	132.7	141.3	140.6	141.4	143.2	141.3	141.7	143.2	
Functions other than education	79.8	83.0	83.9	84.0	84.1	83.7	84.6	84.6	
Highways	76.6	78.1	78.8	79.2	79.6	80.9	81.3	81.8	
Public welfare	69.9	74.1	73.7	75.4	76.1	74.6	74.9	73.5	
Hospitals	67.6	70.1	71.1	71.1	71.7	71.2	72.2	72.4	
Health	82.8	86.1	86.3	87.2	87.1	84.6	85.3	85.2	
Police protection	93.2	97.2	98.6	99.6	101.7	98.9	100.6	98.0	
Local fire protection	100.2	103.9	107.4	106.3	108.5	107.2	107.4	104.4	
Local parks and recreation	71.9	74.8	75.6	75.1	73.4	72.4	74.8	74.8	
Airports	82.7	85.5	91.3	89.0	92.1	91.7	93.9	94.1	
Correction	84.8	88.9	88.9	90.1	89.5	88.9	88.8	87.8	
Local libraries	65.9	67.9	69.4	69.7	70.0	69.8	70.0	69.1	
Financial administration	75.1	79.5	79.1	80.5	80.7	80.2	80.9	80.0	
Local utilities:									
Water supply	79.1	82.1	82.1	83.2	82.3	82.7	83.9	84.5	
Electric power	95.7	98.8	102.5	106.6	104.8	104.2	107.1	109.8	
Transit	111.8	113.1	119.7	114.7	116.5	118.4	113.7	118.3	
Gas supply	76.7	85.4	79.3	83.3	84.4	84.1	84.7	82.6	

SOURCE: U.S. Department of Commerce, Bureau of the Census, GE Series 1973 to 1980.

*Annual earnings for full-time employees computed from October earnings. Annual earnings are shown here only for greater ease of comparison and should be used only in this manner.

TABLE 15.—AVERAGE SALARIES PAID FULL-TIME EMPLOYEES OF STATE AND LOCAL GOVERNMENTS COMPARED WITH AVERAGE SALARIES PAID TEACHERS, 1970 THROUGH 1981

State	Average salaries of full-time state and local government employees			Average salaries paid teachers					
	1970	1980	Percent increase	1969-70	1979-80	Percent increase	1970-71	1980-81	Percent increase
1	2	3	4	5	6	7	8	9	10
Alabama	$ 6,216	$13,176	112.0	$ 6,817	$13,060	91.6	$ 7,376	$15,205	106.1
Alaska	12,440	26,136	110.1	10,560	26,604	151.9	13,570	29,048	114.1
Arizona	8,760	17,352	98.1	8,715	15,650	79.6	9,281	17,201	85.3
Arkansas	5,628	11,832	110.2	6,277	12,420	97.9	6,525	13,273	103.4
California	10,596	20,292	91.5	10,324	18,020	74.5	11,022	20,729	88.1
Colorado	7,860	16,704	112.5	7,760	16,270	109.7	8,614	13,917	108.0
Connecticut	9,300	16,404	76.4	9,271	16,354	76.4	10,079	17,419	72.8
Delaware	7,860	14,772	87.9	9,015	16,148	79.1	9,725	18,025	85.3
Florida	7,632	14,292	87.3	8,410	14,149	68.2	8,797	15,406	75.1
Georgia	6,420	12,588	96.1	7,278	13,853	90.3	7,494	15,445	106.1
Hawaii	9,504	16,812	76.9	9,440	19,920	111.0	10,285	21,147	105.6
Idaho	6,516	14,244	118.6	6,884	13,610	97.7	7,059	15,109	114.0
Illinois	9,264	17,724	91.3	9,569	17,601	83.9	10,249	19,425	89.5
Indiana	7,608	14,316	88.2	8,832	15,599	76.6	9,427	17,255	83.0
Iowa	7,560	15,180	100.8	8,398	15,150	80.4	9,103	16,131	77.2
Kansas	6,960	13,872	99.3	7,620	13,690	79.7	8,034	15,250	89.8
Kentucky	6,852	13,632	98.9	6,939	14,520	109.3	7,197	15,750	118.8
Louisiana	6,612	12,876	94.7	7,028	13,770	95.9	8,306	16,557	99.3
Maine	6,588	13,764	108.9	7,572	13,071	72.6	8,127	13,994	72.2
Maryland	8,724	16,632	90.6	9,383	17,588	87.4	10,091	18,998	88.3
Massachusetts	8,592	16,644	93.7	8,770	17,500	99.5	9,613	18,703	94.6
Michigan	9,852	19,260	95.5	9,823	19,285	96.0	10,962	21,213	93.5
Minnesota	8,976	17,376	93.6	8,658	15,912	83.8	9,778	17,777	81.8
Mississippi	5,436	11,388	109.5	5,798	11,851	104.4	6,004	13,017	116.8
Missouri	7,356	13,740	86.8	7,844	13,682	74.4	8,185	15,421	88.4
Montana	7,260	14,892	105.1	7,606	14,537	91.1	8,173	15,954	95.2
Nebraska	7,044	14,292	102.9	7,354	13,519	83.8	8,120	14,882	83.3
Nevada	8,892	17,148	92.8	9,248	16,296	76.2	9,551	17,700	85.3
New Hampshire	7,548	13,596	80.1	7,789	12,550	61.1	8,311	13,412	61.4
New Jersey	9,012	16,896	87.5	9,150	17,159	87.5	10,025	18,245	82.0
New Mexico	7,068	14,280	102.0	7,796	14,887	91.0	8,112	16,812	107.2
New York	9,708	17,748	82.8	10,390	19,800	90.6	11,034	21,326	93.3
North Carolina	7,164	13,812	92.8	7,494	14,117	88.4	7,772	15,858	104.0
North Dakota	7,140	15,768	120.8	6,696	13,305	98.7	7,257	13,865	91.1
Ohio	7,908	15,648	97.9	8,300	15,300	84.3	8,676	16,904	94.8
Oklahoma	6,600	13,008	97.1	6,882	13,107	90.5	7,657	15,182	98.3
Oregon	8,400	16,812	100.1	8,814	16,266	84.5	9,021	18,047	100.1
Pennsylvania	8,220	16,140	96.4	8,858	16,520	86.5	9,186	17,890	94.8
Rhode Island	8,292	16,692	101.3	8,776	18,001	105.1	9,301	20,088	116.0
South Carolina	6,216	12,900	107.5	6,883	13,063	89.8	6,950	18,353	106.5
South Dakota	6,624	12,966	95.7	6,403	12,348	92.8	7,392	13,674	85.0
Tennessee	6,312	13,308	110.8	7,050	13,971	98.2	7,550	15,118	100.2
Texas	7,044	14,316	103.2	7,277	14,132	94.2	8,147	15,728	93.1
Utah	7,608	15,852	108.4	7,643	14,909	95.1	8,048	16,864	109.5
Vermont	7,680	13,776	79.4	7,960	12,515	57.2	8,265	13,006	57.4
Virginia	7,560	14,484	91.6	8,070	14,079	74.5	8,582	15,535	81.0
Washington	9,072	18,540	104.4	9,237	18,820	103.7	9,900	21,268	114.8
West Virginia	6,552	12,972	98.0	7,650	13,710	79.2	7,626	14,948	96.0
Wisconsin	8,892	17,364	95.3	9,000	16,002	77.8	9,640	17,607	82.6
Wyoming	7,092	16,104	127.1	8,271	16,030	93.8	8,687	18,718	115.5
UNITED STATES ..	8,364	16,044	91.8	8,635	15,964	84.9	9,269	17,602	89.9

SOURCE: U.S. Department of Commerce, Bureau of the Census, *Public Employment in 1970* and *Public Employment in 1980.* Salaries for teachers are from NEA Research estimates.

NOTE: Salaries of state and local government employees are based on October earnings; teachers' salaries are for school years 1969-70, 1970-71, 1979-80, and 1980-81.

TABLE 16.—AVERAGE ANNUAL EARNINGS OF FULL-TIME CITY EMPLOYEES BY FUNCTION AND AVERAGE SALARIES OF TEACHERS, 1973 TO 1980[a]

Function	Calendar years								Percent change, 1980 over 1979
	1973	1974	1975[a]	1976[a]	1977[a]	1978[a]	1979[a]	1980[a]	
1	2	3	4	5	6	7	8	9	10
Average salary paid teachers[b] (calendar-year basis)	$10,778	$11,690	$12,653	$13,342	$14,247	$14,787	$15,662	$16,511	5.4
City employees:									
All functions	10,584	11,232	11,964	12,756	13,392	14,148	15,144	16,368	8.1
Highways	9,012	9,528	10,140	10,950	11,419	12,095	13,110	13,980	6.6
Public welfare	8,914	9,996	10,110	11,450	11,872	11,989	12,661	14,004	10.6
Hospitals	8,556	9,132	10,177	10,623	11,061	11,588	12,527	13,116	4.7
Health	9,499	10,248	11,110	12,308	12,843	13,370	13,845	15,960	15.3
Police protection	11,508	12,180	13,196	14,092	15,345	15,732	16,884	17,748	5.1
Fire protection	12,060	12,864	14,156	14,800	15,978	16,766	16,652	19,008	14.1
Sewerage	9,144	9,684	10,212	10,962	11,491	12,436	13,469	14,940	10.9
Sanitation (other than sewerage)	8,808	9,324	9,845	10,397	10,500	11,902	11,686	13,644	16.8
Parks and recreation	8,628	9,204	9,648	10,377	10,746	11,062	12,213	13,452	10.1
Housing and urban renewal	10,413	12,756	12,125	13,336	13,196	13,683	14,769	15,576	5.5
Airports	9,944	10,380	11,353	12,010	12,602	13,302	14,668	16,188	10.4
Water transport and terminals	12,397	12,888	14,249	15,847	15,889	17,243	19,075	19,968	4.7
Correction	11,027	12,468	13,208	14,481	14,988	15,456	17,333	18,192	5.0
Libraries	8,232	8,712	9,382	10,090	10,820	11,460	12,248	13,152	7.4
Financial administration	9,192	9,852	10,559	11,209	11,926	12,666	13,593	14,712	8.2
General control	10,392	10,956	11,533	12,800	12,985	13,513	14,735	16,020	8.7
Local utilities	10,800	11,628	12,356	13,164	13,581	14,618	15,514	17,592	13.4
Water supply	9,252	9,864	10,511	11,315	11,903	12,662	13,895	15,048	8.3
Electric power	11,130	11,772	12,715	13,806	14,489	15,099	17,029	18,396	8.0
Transit	13,274	14,616	15,364	16,028	16,117	18,113	17,149	21,036	22.7
Gas supply	8,426	9,732	10,297	11,066	11,545	12,038	12,986	13,620	4.9
All other functions	9,379	10,356	10,508	11,180	11,778	12,475	13,067	14,376	10.0
INDEX: SALARY PAID TEACHERS = 100.0									
Average salary paid teachers (calendar-year basis)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
City employees:									
All functions	98.2	96.1	94.6	95.6	94.0	95.7	96.7	99.1	
Highways	83.6	81.5	80.1	82.1	80.2	81.8	83.7	84.7	
Public welfare	82.7	85.5	79.9	85.8	83.3	81.1	80.8	84.8	
Hospitals	79.4	78.1	80.4	79.6	77.6	78.4	80.0	79.4	
Health	88.1	87.7	87.8	92.3	90.1	90.4	88.4	96.7	
Police protection	106.7	104.2	104.3	105.6	107.7	106.4	107.8	107.5	
Fire protection	111.9	110.4	111.9	110.9	112.1	113.4	106.3	115.1	
Sewerage	84.8	82.8	80.7	82.2	80.7	84.1	86.0	90.5	
Sanitation (other than sewerage)	81.7	79.8	77.8	77.9	73.7	80.5	74.6	82.6	
Parks and recreation	80.1	78.7	76.3	77.8	75.4	74.8	78.0	81.5	
Housing and urban renewal	96.6	109.1	95.8	100.0	92.6	92.5	94.3	94.3	
Airports	92.3	88.8	89.7	90.0	88.5	90.0	93.7	98.0	
Water transport and terminals	115.0	110.2	112.6	118.8	111.5	116.6	121.8	120.9	
Correction	102.3	106.7	104.4	108.5	105.2	104.5	110.7	110.2	
Libraries	76.4	74.5	74.1	75.6	75.8	77.5	78.2	79.7	
Financial administration	85.3	84.3	83.5	84.0	83.7	85.7	86.8	89.1	
General control	96.4	93.7	91.1	95.9	91.1	91.4	94.1	97.0	
Local utilities	100.2	99.5	97.7	98.7	95.3	98.9	99.1	106.5	
Water supply	85.8	84.4	83.1	84.8	83.5	85.6	88.7	91.1	
Electric power	103.3	100.7	100.5	103.5	101.7	102.1	108.7	111.4	
Transit	123.2	125.0	121.4	120.1	113.1	122.5	109.5	127.4	
Gas supply	78.2	83.3	81.4	82.9	81.0	81.4	82.9	82.5	
All other functions	87.0	88.6	83.0	83.8	82.7	84.4	83.4	87.1	

SOURCE: U.S. Department of Commerce, Bureau of the Census, *City Employment*, G.E. Series 1973 to 1980.

NOTE: Salaries for classroom teachers from NEA Research.

[a] Salaries computed by NEA Research from payroll figures and the number of employees in October 1975 through October 1980.

[b] Average salaries paid teachers have been revised by NEA Research.

TABLE 17.—U.S. CLASSIFIED CIVIL SERVICE SCHEDULE OF ANNUAL RATES, BY GRADES, EFFECTIVE OCTOBER 1981

General schedule	Steps within grades[a]									
	1	2	3	4	5	6	7	8	9	10
GS— 1	$ 8,342	$ 8,620	$ 8,898	$ 9,175	$ 9,453	$ 9,615	$ 9,890	$10,165	$10,178	$10,439
GS— 2	9,381	9,603	9,913	10,178	10,292	10,595	10,898	11,201	11,504	11,807
GS— 3	10,235	10,576	10,917	11,258	11,599	11,940	12,281	12,622	12,963	13,304
GS— 4	11,490	11,873	12,256	12,639	13,022	13,405	13,788	14,171	14,554	14,937
GS— 5	12,854	13,282	13,710	14,138	14,566	14,994	15,422	15,850	16,278	16,706
GS— 6	14,328	14,806	15,284	15,762	16,240	16,718	17,196	17,674	18,152	18,630
GS— 7	15,922	16,453	16,934	17,515	18,046	18,577	19,108	19,639	20,170	20,701
GS— 8	17,634	18,222	18,810	19,398	19,986	20,574	21,162	21,750	22,338	22,926
GS— 9	19,477	20,126	20,775	21,424	22,073	22,722	23,371	24,020	24,669	25,318
GS—10	21,449	22,164	22,879	23,594	24,309	25,024	25,739	26,454	27,169	27,884
GS—11	23,566	24,352	25,138	25,924	26,710	27,496	28,282	29,068	29,854	30,640
GS—12	28,245	29,187	30,129	31,071	32,013	32,955	33,897	34,839	35,781	36,723
GS—13	33,586	34,706	35,826	36,946	38,066	39,186	40,306	41,426	42,546	43,666
GS—14	39,689	41,012	42,335	43,658	44,981	46,304	47,627	48,950	50,273[b]	51,596[b]
GS—15	46,685	48,241	49,797	51,353[b]	52,909[b]	54,465[b]	56,021[b]	57,577[b]	59,183[b]	60,689[b]
GS—16	54,755[b]	56,580[b]	58,405[b]	60,230[b]	62,055[b]	63,880[b]	65,705[b]	67,530[b]	69,355[b]	
GS—17	64,142[b]	66,280[b]	68,418[b]	70,556[b]	72,694[b]					
GS—18	75,177[b]									

SOURCE: U.S. Civil Service Commission. *Classification Act of 1949, Amended.*

[a] Annual increases are granted through step 4. Intervals of two years are required for steps 5, 6, and 7; three years, for steps 8, 9, and 10; or 17 years to reach maximum of grade.

[b] Limited at present to $50,112.50.

TABLE 18.—MINIMUM[a] SALARIES OF FEDERAL CLASSIFIED EMPLOYEES BY GRADE, 1971 TO 1981

Grade	January 1971	January 1972	January 1973	October 1973	October 1974	October 1975	October 1976	October 1977	October 1978	October 1979	October 1980	October 1981
1	2	3	4	5	6	7	8	9	10	11	12	13
GS— 1 ...	$ 4,326	$ 4,564	$ 4,798	$ 5,017	$ 5,294	$ 5,559	$ 5,810	$ 6,219	$ 6,561	$ 7,210	$ 7,960	$ 8,342
GS— 2 ...	4,897	5,166	5,432	5,682	5,996	6,295	6,572	7,035	7,422	8,128	8,951	9,381
GS— 3 ...	5,524	5,828	6,128	6,408	6,764	7,102	7,408	7,930	8,366	8,952	9,766	10,235
GS— 4 ...	6,202	6,544	6,882	7,198	7,596	7,976	8,316	8,902	9,391	10,049	10,963	11,490
GS— 5 ...	6,938	7,319	7,694	8,055	8,500	8,925	9,303	9,959	10,507	11,243	12,266	12,854
GS— 6 ...	7,727	8,153	8,572	8,977	9,473	9,946	10,370	11,101	11,712	12,531	13,672	14,328
GS— 7 ...	8,582	9,053	9,520	9,969	10,520	11,046	11,523	12,336	13,014	13,925	15,193	15,922
GS— 8 ...	9,493	10,013	10,528	11,029	11,640	12,222	12,763	13,662	14,414	15,423	16,826	17,634
GS— 9 ...	10,470	11,046	11,614	12,167	12,841	13,482	14,097	15,090	15,920	17,035	18,585	19,477
GS—10 ...	11,517	12,151	12,775	13,379	14,117	14,824	15,524	16,618	17,532	18,760	20,467	21,449
GS—11 ...	12,615	13,309	13,996	14,671	15,481	16,225	17,056	18,258	19,263	20,611	22,486	23,566
GS—12 ...	15,040	15,866	16,682	17,497	18,463	19,386	20,442	21,883	23,087	24,703	26,951	28,245
GS—13 ...	17,761	18,737	19,700	20,677	21,816	22,906	24,308	26,022	27,453	29,375	32,048	33,586
GS—14 ...	20,815	21,960	23,088	24,247	25,581	26,861	28,725	30,750	32,442	34,713	37,871	39,689
GS—15 ...	24,251	25,583	26,898	28,263	29,818	31,309	33,789	36,171	38,160	40,832	44,547	46,685
GS—16 ...	28,129	29,678	31,203	32,806	34,607	36,338	39,629[d]	42,423	44,756	47,889	52,247[e]	54,755[e]
GS—17 ...	32,546	34,335	36,103[b]	37,976[b]	40,062[b]	42,066[b]	46,423[d]	49,696[d]	52,429[d]	56,099[e]	61,204[e]	64,142[e]
GS—18 ...	37,624[b]	39,693[b]	41,734[b]	43,926[b]	46,336[b]	48,654[c]	54,410[d]	58,245[d]	61,449[d]	65,750[e]	71,734[e]	75,117[e]

SOURCE: U.S. Civil Service Commission. *Classification Act of 1949, Amended.*

[a] Minimum salaries are those at the first step in each grade.

[b] Limited to $36,000.

[c] Limited to $37,800.

[d] Limited to $39,600; as of February 1977 limited to $47,500.

[e] Limited to $50,112.50.

TABLE 19.—AVERAGE ANNUAL SALARIES FOR SELECTED PROFESSIONAL, ADMINISTRATIVE, AND TECHNICAL OCCUPATIONS, 1971 TO 1981

Year	Accountants					Auditors				Chief accountants			
	I	II	III	IV	V	I	II	III	IV	I	II	III	IV
1971.....	$ 8,975	$10,213	$11,383	$13,654	$16,626	$ 9,401	$10,643	$12,227	$15,136	$14,449	$17,191	$20,897	$24,597
1972.....	9,067	10,655	11,879	14,259	17,368	9,628	10,924	12,881	15,823	15,348	17,419	21,198	26,521
1973.....	9,417	10,934	12,472	15,068	18,400	10,310	11,360	13,568	16,669	16,220	18,634	22,687	26,735
1974.....	9,739	11,549	13,284	16,051	19,560	10,352	12,024	14,341	17,491	17,601	20,072	23,805	29,021
1975.....	10,891	12,785	14,458	17,618	21,664	11,296	12,587	15,334	18,800	19,289	21,323	26,226	32,094
1976.....	11,453	13,394	15,428	18,738	23,402	11,769	13,427	16,059	19,952	20,460	22,753	28,136	33,916
1977.....	12,155	14,624	16,545	20,367	25,042	12,570	14,503	17,108	21,526	22,558	25,320	31,324	36,789
1978.....	12,785	15,617	18,115	22,036	27,301	13,243	15,674	18,756	23,093	23,561	27,769	34,160	39,895
1979.....	13,790	16,706	19,468	24,045	29,744	13,482	16,493	20,303	24,700	25,457	29,604	36,561	45,274
1980.....	15,149	18,427	21,299	26,158	31,937	14,858	18,002	22,026	26,782	28,347	32,662	41,092	50,073
1981.....	16,529	20,153	23,545	28,819	35,141	16,369	19,814	24,401	29,475	31,576	35,560	44,494	56,016

Year	Buyers				Attorneys					
	I	II	III	IV	I	II	III	IV	V	VI
1971.....	$ 8,998	$10,355	$12,585	$14,785	$12,932	$14,345	$17,500	$22,178	$26,277	$33,355
1972.....	9,380	10,992	13,117	15,555	13,498	14,640	18,392	23,448	27,528	34,828
1973.....	9,603	11,431	13,835	16,423	13,478	15,555	19,565	24,693	30,035	37,018
1974.....	10,073	12,141	14,659	17,421	14,223	16,357	21,082	25,956	31,999	38,180
1975.....	10,861	13,337	15,995	18,983	15,220	17,757	22,558	28,159	34,040	41,046
1976.....	11,732	14,200	17,122	20,075	15,413	18,667	24,205	29,828	36,308	43,747
1977.....	12,346	15,099	18,021	21,907	16,033	19,938	25,460	30,973	38,828	46,509
1978.....	12,887	16,195	19,590	23,853	17,693	21,713	27,738	33,547	42,318	51,798
1979.....	13,859	17,107	21,200	25,508	18,740	23,468	29,664	37,807	45,599	56,964
1980.....	14,861	18,467	22,904	27,777	20,911	25,549	33,034	40,864	49,864	60,641
1981.....	16,202	20,266	25,196	30,583	22,477	28,059	36,373	44,853	54,792	66,958

Year	Job analysts				Directors of personnel			
	I	II	III	IV	I	II	III	IV
1971.....	$ 9,232	$10,397	$12,016	$14,103	$13,730	$15,920	$19,823	$23,872
1972.....	9,441	10,828	12,526	15,057	14,313	16,401	20,153	24,738
1973.....	9,362	11,010	13,061	16,211	14,748	17,753	21,984	26,611
1974.....	9,783	11,488	13,921	17,263	15,790	18,815	24,078	28,140
1975.....	ND	12,543	14,949	18,459	16,809	19,938	25,033	31,841
1976.....	ND	13,559	16,091	19,142	18,193	21,720	26,845	33,060
1977.....	ND	13,572	17,016	20,908	19,062	23,755	29,188	37,785
1978.....	ND	14,040	18,354	22,616	20,833	26,245	32,201	40,835
1979.....	ND	15,333	20,106	24,231	22,996	27,981	34,285	43,933
1980.....	16,056	16,795	21,484	26,315	24,719	31,832	37,816	49,730
1981.....	16,940	18,296	22,799	28,718	27,848	35,193	42,890	53,914

Year	Chemists							
	I	II	III	IV	V	VI	VII	VIII
1971.....	$ 9,688	$10,776	$12,459	$15,036	$17,928	$20,514	$24,520	$29,714
1972.....	9,838	11,092	12,901	15,670	18,581	21,277	25,888	30,827
1973.....	10,028	11,534	13,217	16,140	19,312	22,602	26,899	32,099
1974.....	10,660	12,408	14,298	17,283	20,702	24,079	28,203	34,475
1975.....	11,801	13,288	15,572	19,204	22,700	26,729	31,362	37,855
1976.....	12,473	14,077	16,589	20,429	24,099	28,868	33,559	40,723
1977.....	12,872	14,439	17,600	21,674	26,214	30,526	36,329	44,642
1978.....	13,492	16,337	19,453	23,532	28,494	33,110	38,927	47,156
1979.....	14,455	17,365	21,025	25,459	30,828	35,232	42,016	48,961
1980.....	16,200	19,571	23,373	27,681	33,793	38,137	45,883	ND
1981.....	18,092	21,089	25,438	30,801	36,663	41,911	48,845	ND

Year	Engineers							
	I	II	III	IV	V	VI	VII	VIII
1971.....	$10,677	$11,694	$13,117	$15,535	$17,979	$20,547	$23,508	$26,736
1972.....	10,921	12,071	13,682	16,159	18,628	21,402	24,367	27,885
1973.....	11,203	12,591	14,326	17,030	19,614	22,586	25,681	29,499
1974.....	11,901	13,171	15,160	17,929	20,654	23,827	26,960	31,469
1975.....	12,917	14,197	16,330	19,443	22,427	26,109	29,101	34,114
1976.....	13,918	15,184	17,482	20,749	24,082	27,737	30,850	36,236
1977.....	14,613	16,221	18,696	22,072	25,620	29,376	32,999	38,063
1978.....	15,928	17,567	20,194	23,972	28,001	32,264	36,520	42,104
1979.....	17,345	19,026	21,931	25,989	30,472	34,801	39,340	45,221
1980.....	19,411	21,285	24,160	28,486	33,141	38,259	43,242	50,079
1981.....	21,712	23,663	26,746	31,352	36,725	42,622	49,287	56,828

(Continued)

TABLE 19.—AVERAGE ANNUAL SALARIES FOR SELECTED PROFESSIONAL, ADMINISTRATIVE, AND TECHNICAL OCCUPATIONS, 1971 TO 1981 (Continued)

Year	Engineering technicians					Drafters		
	I	II	III	IV	V	III	IV	V
1971.....	$ 6,854	$ 7,963	$ 9,148	$10,389	$11,815	$ 7,221	$ 8,812	$10,801
1972.....	7,208	8,207	9,507	10,788	12,259	7,550	9,201	11,492
1973.....	7,500	8,613	10,005	11,257	12,799	7,988	9,832	12,173
1974.....	7,975	9,122	10,491	11,974	13,654	8,507	10,443	13,070
1975.....	8,625	9,720	11,160	13,020	14,640	8,988	11,217	14,289
1976.....	9,064	10,841	12,258	14,178	16,086	9,763	12,029	15,288
1977.....	9,727	11,355	13,151	15,221	17,237	10,354	12,883	15,828
1978.....	10,461	11,918	14,062	16,302	18,703	11,247	13,709	16,902
1979.....	10,825	12,690	15,094	17,624	20,222	12,835	15,307	19,269
1980.....	12,228	14,212	16,756	19,547	22,323	14,308	17,215	21,690
1981.....	13,203	15,494	17,790	21,240	24,276	15,246	18,903	23,619

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *National Survey of Professional, Administrative, Technical, and Clerical Pay*, various issues.

NOTE: Within each occupation, the work levels surveyed, usually designated by Roman numerals with class I assigned to the lowest level, are defined in terms of duties and responsibilities. Specific job factors determining classification, however, varied from occupation to occupation.

ND=No data available.

TABLE 20.—AVERAGE STARTING SALARIES OF PUBLIC SCHOOL TEACHERS COMPARED WITH SALARIES IN PRIVATE INDUSTRY, 1973-74 THROUGH 1981-82

Position or subject field	Average starting salary[a]									Percent change, 1981-82 over 1980-81
	1973-74[b]	1974-75[b]	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	
1	2	3	4	5	6	7	8	9	10	11
Minimum mean salary for teachers with a bachelor's degree.........	$ 7,720	$ 8,233	$ 8,768	$ 9,200	$ 9,739	$10,138	$10,764	$11,758	...	...
College graduates with a bachelor's degree[a]										
Engineering	11,220	11,940	13,236	13,980	15,606	17,172	18,528	20,136	$22,368	11.1
Accounting..............	10,632	11,472	11,712	12,396	13,056	13,992	14,784	15,720	16,980	8.0
Sales—marketing	9,660	10,080	11,220	11,316	12,084	12,420	15,072	15,936	17,220	8.1
Business administration ...	8,796	9,324	9,948	10,224	11,556	12,516	13,440	14,100	16,200	14.9
Liberal arts	8,808	8,940	9,696	10,020	11,004	11,952	12,696	13,296	15,444	16.2
Chemistry...............	10,308	11,160	11,640	12,384	14,088	15,036	16,200	17,124	19,536	14.1
Mathematics—statistics ...	10,020	10,440	11,004	11,928	12,756	13,872	16,692	17,604	18,600	5.7
Economics—finance	9,624	10,104	10,404	10,644	11,424	12,408	13,740	14,472	16,884	16.7
Computer sciences	ND	ND	ND	ND	13,188	14,400	16,500	17,712	20,364	15.0
Other fields	9,696	10,368	10,956	11,820	13,476	13,560	16,224	17,544	20,028	14.2
INDEX: 1973-74 = 100.0[c]										
Minimum mean salary for teachers with a bachelor's degree.........	100.0	106.6	113.6	119.2	126.2	131.3	139.4	152.3	...	
College graduates with a bachelor's degree[a]										
Engineering	100.0	106.4	118.0	124.6	139.1	153.0	165.1	179.5	199.4	
Accounting..............	100.0	107.9	110.2	116.6	122.8	131.6	139.1	147.9	159.7	
Sales—marketing	100.0	104.3	116.1	117.1	125.1	128.6	156.0	165.0	178.3	
Business administration ...	100.0	106.0	113.1	116.2	131.4	142.3	152.8	160.3	184.2	
Liberal arts	100.0	101.5	110.1	113.8	124.9	135.7	144.1	151.0	175.3	
Chemistry...............	100.0	108.3	112.9	120.1	136.7	145.9	157.2	166.1	189.5	
Mathematics—statistics ...	100.0	104.2	109.8	119.0	127.3	138.4	166.6	175.7	185.6	
Economics—finance	100.0	105.0	108.1	110.6	118.7	128.9	142.8	150.4	175.4	
Computer sciences	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Other fields	100.0	106.9	113.0	121.9	139.0	139.9	167.3	180.9	206.6	

NOTE: Salaries for classroom teachers from NEA Research.

[a] From annual reports for Frank S. Endicott, Director of Placement Emeritus, Northwestern University. Salaries are based on offers made to graduates by approximately 200 companies located throughout the United States. Salaries are based on offers made in November to students who will graduate in June.

[b] Data for male graduates only.

[c] Computed by NEA Research from data presented in the Endicott reports.

ND = No data available.

TABLE 21.—ESTIMATED AVERAGE ANNUAL STARTING SALARIES PAID TO GRADUATES WITH A MASTER'S DEGREE, 1973-74 TO 1981-82

Field	Annual average starting salary[a]									Percent change, 1981-82 over 1980-81
	1973-74[b]	1974-75[b]	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	
1	2	3	4	5	6	7	8	9	10	11
Minimum mean salary for teachers with a master's degree	$ 8,586	$ 9,159	$ 9,797	$10,274	$10,829	$11,322	$11,968	$13,063	. . .	. . .
Engineering	13,188	13,728	15,168	16,236	17,484	18,444	21,216	23,136	$25,128	8.6
Other technical fields	12,744	13,104	14,292	14,868	16,956	17,268	19,320	20,748	23,580	13.6
M.B.A. with technical B.S.	13,872	14,700	15,720	16,656	17,748	18,408	20,904	22,632	26,424	16.8
M.B.A. with nontechnical B.A.	12,960	14,280	15,372	15,780	16,872	17,220	20,016	21,672	22,680	4.7
Accounting	13,116	14,652	14,424	14,688	15,408	16,356	17,544	18,420	20,472	11.1
Other fields	12,588	13,356	14,176	14,604	15,492	16,092	20,112	21,360	21,252	-0.5
					INDEX: 1973-74 = 100.0[c]					
Minimum mean salary for teachers with a master's degree	100.0	106.7	114.1	119.7	126.1	131.9	139.4	152.1	. . .	
Engineering	100.0	104.1	115.0	123.1	132.6	139.9	160.9	175.4	190.5	
Other technical fields	100.0	102.8	112.1	116.7	133.1	135.5	151.6	162.8	185.0	
M.B.A. with technical B.S.	100.0	106.0	113.3	120.1	127.9	132.7	150.7	163.1	190.5	
M.B.A. with nontechnical B.A.	100.0	110.2	118.6	121.8	130.2	132.9	154.4	167.2	175.0	
Accounting	100.0	111.7	110.0	112.0	117.5	124.7	133.8	140.4	156.1	
Other fields	100.0	106.1	112.6	116.0	123.1	127.8	159.8	169.7	168.8	

NOTE: Salaries for classroom teachers from NEA Research.

[a] From annual reports of Frank S. Endicott, Director of Placement Emeritus, Northwestern University. Salaries are based on offers made to graduates by approximately 200 companies located throughout the United States. Salaries are based on offers made in November to students who will graduate in June.

[b] Data for male graduates only.

[c] Computed by NEA Research from data presented in the Endicott reports.

TABLE 22.—AVERAGE ANNUAL BEGINNING SALARY OFFERS[a] TO BACHELOR'S DEGREE CANDIDATES, 1972-73 TO 1981-82, BY CURRICULUM, FOR SELECTED TYPES OF EMPLOYERS IN BUSINESS AND INDUSTRY

Curriculum field 1	1972-73[b] 2	1973-74 3	1974-75 4	1975-76 5	1976-77 6	1977-78 7	1978-79 8	1979-80 9	1980-81 10	1981-82 11	Percent change, 1981-82 over 1980-81 12
Minimum mean salary for teachers with a bachelor's degree	$ 7,357	$ 7,720	$ 8,233	$ 8,768	$ 9,200	$ 9,739	$10,138	$10,764	$11,758	. .	. . .
Accounting	10,644	11,100	11,772	12,216	12,744	13,488	14,472	15,516	16,956	18,470	8.6
Business—general (including management)	9,084	9,636	10,116	10,464	11,124	11,916	13,224	14,616	15,948	16,560	3.8
Marketing and distribution	8,880	9,288	9,612	10,080	10,752	11,520	12,480	13,740	15,300	15,816	3.4
Humanities	8,616	8,292	8,676	9,300	9,720	10,452	11,796	12,888	13,176	13,896	5.5
Social sciences	ND	8,844	9,240	9,840	10,356	10,716	11,664	12,864	12,756	14,112	10.6
Engineering											
Aeronautical	11,040	11,532	12,888	13,836	14,712	16,248	18,060	19,776	21,360	22,104	3.7
Chemical	11,544	12,504	14,352	15,348	16,668	18,156	19,704	21,612	24,276	26,832	10.5
Civil	10,896	11,604	12,768	13,296	14,220	15,456	16,824	18,648	20,952	22,560	7.7
Electrical	11,172	11,832	12,972	13,860	14,940	16,404	18,240	20,280	22,104	24,000	8.6
Industrial	10,836	11,748	12,960	13,668	15,084	16,692	17,880	19,860	21,804	24,108	10.6
Mechanical	11,124	12,012	13,464	14,364	15,432	16,848	18,432	20,436	22,584	24,708	9.4
Metallurgical	ND	ND	13,572	14,544	15,780	17,016	18,840	20,712	22,704	24,372	7.3
Petroleum	ND	ND	15,456	16,776	18,144	19,836	21,516	23,844	26,244	29,856	13.8
Engineering technology	ND	11,208	12,144	12,996	14,124	15,468	17,196	19,020	21,204	22,152	4.5
Agricultural sciences	ND	9,420	9,780	10,224	11,088	11,580	12,552	14,304	15,000	15,432	2.9
Biological sciences	ND	8,640	9,264	9,720	10,584	12,432	12,204	13,908	15,372	14,868	-3.3
Chemistry	10,116	10,608	11,472	12,336	13,224	14,292	15,984	17,508	18,864	21,216	12.5
Computer sciences	ND	10,980	11,700	12,456	13,476	15,192	16,812	18,696	19,968	21,420	7.3
Health professions	ND	8,796	9,672	9,996	10,728	11,388	13,860	13,860	17,556	15,300	-12.9
Mathematics	9,028	10,488	10,980	11,832	12,876	14,220	15,888	17,700	18,888	20,316	7.6
Other physical and earth sciences	ND	10,740	11,988	12,600	12,816	14,868	16,416	18,516	21,912	23,412	6.8
INDEX: TEACHERS WITH A BACHELOR'S DEGREE = 100.0[c]											
Minimum mean salary for teachers with a bachelor's degree	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
Accounting	144.7	143.8	143.0	139.3	138.4	138.5	142.8	144.1	144.2		
Business—general (including management)	123.5	124.8	122.9	119.3	120.9	122.4	130.4	135.8	135.6		
Marketing and distribution	120.7	119.5	116.7	115.0	116.9	118.3	123.1	127.6	130.1		
Humanities	117.1	107.4	105.4	106.1	105.7	107.3	116.4	119.7	112.1		
Social sciences	ND	114.6	112.2	112.2	112.6	110.0	115.1	119.5	108.5		
Engineering											
Aeronautical	150.1	149.4	156.5	157.8	159.9	166.8	178.1	183.7	181.7		
Chemical	156.9	162.0	174.3	175.2	181.2	186.4	194.4	200.8	206.5		
Civil	148.1	150.3	155.1	151.6	154.6	158.7	165.9	173.2	178.2		
Electrical	161.9	153.3	157.6	158.1	162.4	168.4	179.9	188.4	188.0		
Industrial	147.3	152.2	157.4	155.9	164.0	171.4	176.4	184.5	185.4		
Mechanical	151.2	155.6	163.5	163.8	167.7	173.0	181.8	189.9	192.1		
Metallurgical	ND	ND	164.8	165.9	171.5	174.7	185.8	192.4	193.1		
Petroleum	ND	ND	187.7	191.3	197.2	203.7	212.2	221.5	223.2		
Engineering technology	ND	145.2	147.5	148.2	153.5	158.8	169.6	176.7	180.3		
Agricultural sciences	ND	122.0	118.8	116.6	120.5	118.9	123.8	132.9	127.6		
Biological sciences	ND	111.9	112.5	110.9	115.0	127.7	120.4	129.2	130.7		
Chemistry	137.5	137.4	139.3	140.7	143.8	146.8	157.7	162.7	160.4		
Computer sciences	ND	142.2	142.1	142.1	146.5	156.0	165.8	173.7	169.8		
Health professions	ND	113.9	117.5	114.0	116.6	116.9	136.7	128.8	149.3		
Mathematics	122.7	135.9	133.4	134.9	140.0	146.0	156.7	164.4	160.6		
Other physical and earth sciences	ND	139.1	145.6	143.0	139.3	152.7	161.9	172.0	186.4		

SOURCE: College Placement Council. *Salary Survey, A Study of Beginning Offers.* Bethlehem, Pa.: the Council, various reports 1973 to 1981.

NOTE: Salaries for classroom teachers from NEA Research.

[a] Monthly amounts converted to annual salaries by NEA Research. No allowance made for possible increases during first year of employment.

[b] 1972-73 includes data for male graduates only.

[c] Computed by NEA Research from data presented by the College Placement Council.

ND = No data available.

TABLE 23.—AVERAGE ANNUAL BEGINNING SALARY OFFERS TO INEXPERIENCED[a] MASTER'S DEGREE CANDIDATES, 1972-73 TO 1981-82, BY CURRICULUM, FOR EMPLOYERS IN BUSINESS AND INDUSTRY[b]

Curriculum field	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	Percent change, 1981-82 over 1980-81
1	2	3	4	5	6	7	8	9	10	11	12
Minimum mean salary for teachers with a master's degree	$ 8,176	$ 8,586	$ 9,159	$ 9,797	$10,274	$10,829	$11,322	$11,968	$13,063	. . .	. . .
Business administration, industrial management or commerce											
After nontechnical undergraduate degree	13,308	14,172	15,000	15,876	16,920	17,976	19,332	21,540	22,008	$21,912	-0.4
After technical undergraduate degree	14,100	14,820	15,888	16,620	18,036	19,428	20,976	23,652	24,432	24,324	-0.4
Humanities and social science											
Humanities	ND	10,260	11,172	11,556	12,048	12,096	13,584	15,708	16,548	16,116	-2.6
Social sciences	ND	11,004	11,436	12,108	12,432	13,224	15,048	15,576	16,680	20,640	23.7
Engineering											
Chemical	13,116	14,604	15,720	16,884	18,108	19,548	21,348	23,364	26,340	28,560	8.4
Electrical	12,792	13,788	14,736	15,828	16,920	18,684	20,772	22,944	24,864	26,544	6.8
Mechanical	12,828	13,656	15,288	16,092	17,256	18,852	20,592	22,716	25,044	27,048	8.0
Civil	12,240	13,224	14,196	15,012	16,104	17,556	19,140	21,036	23,652	24,444	3.3
Industrial	12,624	13,440	14,808	15,456	16,956	18,240	20,136	22,332	25,056	24,000	-4.2
Nuclear	ND	ND	14,532	15,528	16,344	17,760	19,776	21,972	24,192	27,000	11.6
Science											
Chemistry	11,760	12,600	13,416	14,808	15,852	17,112	18,624	20,256	24,336	23,388	-3.9
Mathematics	11,700	12,504	13,656	15,660	15,420	17,004	18,024	20,220	21,936	24,096	9.8
Geology and related sciences	ND	ND	ND	15,756	16,992	18,204	20,208	22,476	25,380	27,492	8.3
Computer sciences	13,008	13,440	14,028	15,144	15,560	18,492	20,268	22,296	23,772	24,840	4.5
Metallurgy	12,420	13,572	14,904	15,068	16,860	18,756	20,496	22,692	25,140	29,976	19.2
INDEX: TEACHERS WITH A MASTER'S DEGREE = 100.0[c]											
Minimum mean salary for teachers with a master's degree	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
Business administration, industrial management or commerce											
After nontechnical undergraduate degree	162.8	165.1	163.8	162.0	164.7	166.0	170.7	180.0	168.5		
After technical undergraduate degree	172.5	172.6	173.5	169.6	175.5	179.4	185.3	197.6	187.0		
Humanities and social science											
Humanities	ND	119.5	122.0	118.0	117.3	111.7	120.6	131.3	126.7		
Social sciences	ND	128.2	124.9	123.6	121.0	122.1	132.9	130.1	127.7		
Engineering											
Chemical	160.4	170.1	171.6	172.3	176.3	180.5	188.6	195.2	201.6		
Electrical	156.5	160.6	160.9	161.6	164.7	172.5	183.5	191.7	190.3		
Mechanical	156.9	159.1	166.9	164.3	168.0	174.1	181.9	189.8	191.7		
Civil	149.7	154.0	155.0	153.7	156.7	162.1	169.1	175.8	181.1		
Industrial	154.4	156.5	161.7	157.8	165.0	168.4	177.8	186.6	191.8		
Nuclear	ND	ND	158.7	158.5	159.1	164.0	174.7	183.6	185.2		
Science											
Chemistry	143.8	146.8	146.5	151.1	154.1	158.0	164.5	169.3	186.3		
Mathematics	143.1	145.6	149.1	159.8	150.1	157.0	159.2	169.0	167.9		
Geology and related sciences	ND	ND	ND	160.8	162.5	168.1	178.5	187.8	194.3		
Computer sciences	159.1	156.5	153.2	154.6	161.2	170.7	179.0	186.3	182.0		
Metallurgy	151.9	158.1	162.7	164.0	164.1	173.2	181.0	189.6	192.5		

SOURCE: College Placement Council. *Salary Survey, A Study of Beginning Offers.* Bethlehem, Pa.: The Council. Various reports, 1973 to 1981. Monthly salaries converted to annual salaries by NEA Research.

NOTE: Salaries for classroom teachers from NEA Research.

[a] One year or less of full-time, nonmilitary employment.

[b] Teachers are not necessarily inexperienced.

[c] Computed by NEA Research from data presented by the College Placement Council.

ND = No data available.

TABLE 24.—AVERAGE ANNUAL SALARY OFFERS[a] TO DOCTORAL CANDIDATES BY CURRICULUM, BY EMPLOYERS IN BUSINESS AND INDUSTRY, 1972-73 TO 1981-82

Graduate program	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	Percent change, 1981-82 over 1980-81
1	2	3	4	5	6	7	8	9	10	11	12
Minimum mean salary for teachers with a doctoral degree[b]	$ 9,402	$10,183	$10,674	$11,413	$12,063	$12,440	$12,946	$13,731	$14,663	. . .	
Engineering											
Chemical	17,256	18,600	19,740	21,516	22,584	24,888	26,772	29,424	31,788	35,040	10.2
Electrical	18,096	18,612	18,600	20,316	21,732	23,688	26,652	30,408	32,184	35,568	10.5
Mechanical	17,016	17,748	19,488	20,244	21,324	24,360	25,920	29,112	33,384	34,848	4.4
Civil	15,576	17,112	16,584	19,164	19,500	21,960	27,120	25,068	29,292	30,708	4.8
Science											
Chemistry	16,188	16,932	18,036	18,984	20,700	22,308	24,204	27,132	28,716	30,324	5.6
Mathematics	17,700	16,092	18,276	18,828	20,448	22,560	24,840	26,388	29,352	22,596	–23.0
Physics	16,680	15,908	17,676	19,668	20,376	22,848	25,116	27,636	31,080	28,200	–9.3
Metallurgy	17,364	17,424	18,684	20,340	20,998	24,096	24,492	29,028	29,976	ND	
INDEX: TEACHERS WITH A Ph.D. = 100.0[c]											
Minimum mean salary for teachers with a doctoral degree	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
Engineering											
Chemical	183.5	182.7	184.9	188.5	187.2	200.1	206.8	214.3	216.8		
Electrical	192.5	182.8	174.6	178.0	180.2	190.4	205.9	221.5	219.5		
Mechanical	181.0	174.3	182.6	177.4	176.8	195.8	200.2	212.0	227.7		
Civil	165.7	168.0	155.4	167.9	161.7	176.5	209.5	182.6	199.8		
Science											
Chemistry	172.2	166.3	169.0	166.3	171.6	179.3	187.0	197.6	195.8		
Mathematics	188.3	158.0	171.2	165.0	169.5	181.4	191.9	192.2	200.2		
Physics	177.4	166.0	165.6	172.3	168.9	183.7	194.0	201.3	212.0		
Metallurgy	184.7	171.1	175.0	178.2	174.1	193.7	189.2	211.4	204.4		

SOURCE: College Placement Council. *Salary Survey, A Study of Beginning Offers.* Bethlehem, Pa.: the Council, various reports, 1973 to 1981.

NOTE: Salaries for classroom teachers from NEA Research.

[a] Monthly amounts converted to annual salaries by NEA Research. No allowance made for possible increase during the first year of employment.

[b] For earned doctor's degree or seven years of preparation.

[c] Computed by NEA Research from data presented by the College Placement Council.

ND = No data available.

TABLE 25.—FAMILY INCOME, 1950, 1955, 1960, 1965, AND 1970 TO 1980

Year	Median income		Percent distribution—Total money income in current dollars							
	Current dollars	1980 dollars	Under $5,000	$5,000—9,999	$10,000—14,999	$15,000—19,999	$20,000—24,999	$25,000—34,999	$35,000 and over	Total[a]
1	2	3	4	5	6	7	8	9	10	11
1950	$ 3,319	$11,361	76.8	20.0	←3.2→					100
1955	4,418	13,594	58.7	35.1	4.8	0.6	0.3	←0.5→		100
1960	5,620	15,635	42.0	43.6	10.6	2.1	0.8	←0.9→		100
1965	6,957	18,172	31.6	43.1	17.7	4.6	1.5	←1.4→		100
1970	9,867	20,938	19.1	31.8	26.8	13.1	4.6	3.0	1.6	100
1971	10,285	20,930	18.4	29.8	27.0	14.4	5.1	3.5	1.9	100
1972	11,116	21,899	16.7	27.0	26.1	16.7	6.3	4.8	2.5	100
1973	12,051	22,343	14.6	24.4	25.5	18.8	7.4	6.1	3.1	100
1974	12,902	21,559	12.7	22.6	24.2	18.1	10.5	8.0	3.9	100
1975	13,719	21,004	12.0	21.2	22.3	18.8	11.6	9.5	4.6	100
1976	14,958	21,659	10.3	19.6	20.2	19.1	12.9	11.8	6.0	100
1977	16,009	21,772	9.4	18.2	18.5	17.8	13.9	14.5	7.9	100
1978	17,640	22,279	8.2	15.9	16.7	16.9	14.5	17.6	10.3	100
1979	19,684	22,341	6.9	13.5	15.6	15.0	14.4	19.2	15.5	100
1980	21,023	21,023	6.2	12.7	14.2	14.0	13.7	19.8	19.5	100

SOURCE: U.S. Department of Commerce, Bureau of the Census. *Money Income and Poverty Status of Families and Persons in the United States: 1980 (Advance Report).* Current Population Reports, Consumer Income Series, P-60, No. 127. Washington, D.C.: the Bureau, August 1981.

[a] Because of rounding, percents may not add to 100.

TABLE 26.—PER CAPITA EFFECTIVE BUYING INCOME, BY REGION AND BY STATE, 1973 TO 1980

Region and state 1	1973 2	1974 3	1975 4	1976 5	1977 6	1978 7	1979 8	1980 9
UNITED STATES	$4,176	$4,602	$5,003	$5,449	$5,986	$6,552	$7,305	$ 7,940
NEW ENGLAND	4,380	4,794	5,279	5,687	6,157	6,795	7,444	8,432
Connecticut	4,969	5,571	5,946	6,501	6,925	7,626	8,360	9,677
Maine	3,449	3,868	4,347	4,636	5,126	5,453	6,040	6,592
Massachusetts	4,401	4,725	5,318	5,663	6,110	6,846	7,459	8,479
New Hampshire	3,861	4,405	4,624	5,054	5,655	6,249	6,920	7,729
Rhode Island	4,223	4,587	5,058	5,474	6,073	6,485	7,082	7,901
Vermont	3,518	3,686	4,101	4,545	5,110	5,447	6,246	6,718
MIDDLE ATLANTIC	4,578	5,012	5,477	5,922	6,427	6,923	7,626	8,436
New Jersey	4,904	5,516	5,893	6,328	6,951	7,621	8,368	9,200
New York	4,699	5,051	5,601	5,989	6,453	6,878	7,583	8,501
Pennsylvania	4,191	4,637	5,028	5,568	6,062	6,558	7,227	7,864
EAST NORTH CENTRAL	4,428	4,887	5,231	5,717	6,374	6,860	7,267	8,197
Illinois	4,720	5,327	5,708	6,341	6,940	7,299	8,279	8,904
Indiana	4,146	4,588	4,892	5,250	5,886	6,486	7,197	7,579
Michigan	4,644	4,975	5,271	5,837	6,606	7,004	7,679	8,235
Ohio	4,307	4,751	5,075	5,423	6,079	6,613	7,358	7,926
Wisconsin	3,900	4,307	4,758	5,195	5,791	6,515	7,074	7,755
WEST NORTH CENTRAL	4,072	4,500	4,827	5,318	5,668	6,267	7,202	7,949
Iowa	4,093	4,641	4,900	5,461	5,867	6,439	7,508	8,070
Kansas	4,310	4,785	5,164	5,634	6,034	6,532	7,627	8,786
Minnesota	4,073	4,510	4,816	5,325	5,604	6,333	7,283	8,088
Missouri	4,009	4,293	4,639	5,124	5,661	6,211	6,930	7,508
Nebraska	4,162	4,582	4,933	5,414	5,699	6,221	7,167	7,987
North Dakota	3,872	4,689	5,061	5,483	5,023	5,625	6,625	7,651
South Dakota	3,599	3,999	4,296	4,612	4,550	5,377	6,545	7,086
SOUTH ATLANTIC	3,850	4,259	4,646	5,062	5,554	6,088	6,795	7,235
Delaware	4,522	4,910	5,302	5,765	6,306	6,910	7,624	8,087
District of Columbia	5,792	6,275	6,865	7,063	7,894	8,605	9,378	10,342
Florida	3,954	4,365	4,745	5,145	5,686	6,292	7,133	7,415
Georgia	3,599	3,890	4,274	4,721	5,237	5,678	6,190	6,668
Maryland	4,433	4,922	5,321	5,797	6,255	6,734	7,489	8,217
North Carolina	3,481	3,956	4,368	4,734	5,167	5,631	6,306	6,627
South Carolina	3,290	3,654	3,940	4,332	4,809	5,256	5,957	6,274
Virginia	3,965	4,406	4,810	5,294	5,706	6,344	7,019	7,709
West Virginia	3,338	3,685	4,084	4,424	5,007	5,600	6,315	6.618
EAST SOUTH CENTRAL	3,308	3,709	4.006	4,391	4,925	5,362	5,940	6,338
Alabama	3,247	3,566	3,906	4,288	4,825	5,304	5,822	6,305
Kentucky	3,436	3,924	4,138	4,539	5,078	5,588	6,296	6,458
Mississippi	2,944	3,278	3,590	3,897	4,418	4,859	5,190	5,611
Tennessee	3,459	3,898	4,215	4,635	5,164	5,509	6,167	6,668
WEST SOUTH CENTRAL	3,625	3,994	4,429	4,922	5,506	6,127	6,948	7,600
Arkansas	3,129	3,427	3,764	4,231	4,850	5,375	5,805	6,227
Louisiana	3,322	3,704	4,152	4,559	5,089	5,644	6,290	7,032
Oklahoma	3,668	3,997	4,354	4,760	5,321	5,919	6,677	7,788
Texas	3,797	4,182	4,644	5,187	5,784	6,446	7,393	7,946
ROCKY MOUNTAIN	3,883	4,248	4,583	4,947	5,477	6,082	6,908	7,396
Arizona	3,867	4,206	4,583	4,896	5,396	6,099	7,040	7,162
Colorado	4,238	4,527	4,915	5,328	5,872	6,521	7,410	8,172
Idaho	3,622	4,326	4,559	4,780	5,308	5,565	6,364	6,655
Montana	3,708	4,141	4,506	4,842	5,134	5,530	6,211	7,142
Nevada	4,612	5,238	5,491	5,947	6,709	7,419	8,180	8,633
New Mexico	3,397	3,680	3,899	4,256	4,821	5,477	6,211	6,866
Utah	3,475	3,746	4,088	4,494	4,982	5,500	6,116	6,237
Wyoming	4,166	4,457	4,805	5,242	5,940	6,724	7,735	8,861
PACIFIC	4,539	5,027	5,509	5,955	6,537	7,306	8,111	8,849
Alaska	4,596	5,343	6,906	8,003	7,815	8,324	9,196	10,185
California	4,650	5,113	5,587	6,062	6,650	7,426	8,233	9,027
Hawaii	4,425	4,826	5,275	5,708	6,122	6,781	7,889	8,018
Oregon	3,894	4,376	4,787	5,256	5,728	6,433	7,163	7,699
Washington	4,316	4,955	5,429	5,608	6,344	7,171	7,947	8,632

SOURCE: Sales Management, *Survey of Buying Power,* various issues. © 1974, 1975, 1976, 1977, 1978, 1979, 1980, and 1981. Sales Management Survey of Buying Power; further reproduction is forbidden.

TABLE 27.—PER CAPITA PERSONAL INCOME, BY REGION AND BY STATE, 1972 TO 1980 (in current dollars)

Region and state 1	1972 2	1973 3	1974 4	1975 5	1976 6	1977 7	1978 8	1979 9	1980 10
UNITED STATES	$4,493	$4,980	$5,428	$5,861	$ 6,401	$ 7,043	$7,846	$8,757	$9,458
NEW ENGLAND	4,747	5,164	5,635	6,030	6,559	7,163	7,955	8,916	9,929
Connecticut	5,353	5,869	6,391	6,799	7,340	8,044	8,973	10,129	11,445
Maine	3,636	4,085	4,493	4,766	5,356	5,748	6,335	7,052	7,734
Massachusetts	4,816	5,198	5,666	6,077	6,590	7,201	7,952	8,901	9,992
New Hampshire	4,193	4,604	5,022	5,417	6,040	6,646	7,495	8,370	8,980
Rhode Island	4,433	4,779	5,287	5,709	6,205	6,790	7,624	8,500	9,250
Vermont	3,906	4,225	4,580	4,924	5,399	5,837	6,568	7,434	7,839
MIDEAST	4,985	5,415	5,928	6,380	6,874	7,431	8,203	9,110	10,056
Delaware	5,985	5,640	6,087	6,547	7,089	7,651	8,402	9,280	10,195
District of Columbia	5,523	5,952	6,595	7,262	7,967	8,721	9,418	10,452	11,883
Maryland	4,949	5,460	5,951	6,403	7,054	7,612	8,516	9,333	10,322
New Jersey	5,326	5,807	6,326	6,794	7,288	7,927	8,796	9,746	10,755
New York	5,178	5,561	6,076	6,519	6,923	7,433	8,192	9,106	10,143
Pennsylvania	4,451	4,890	5,402	5,841	6,404	6,969	7,663	8,558	9,294
GREAT LAKES	4,679	5,211	5,644	6,047	6,677	7,417	8,221	9,126	9,771
Illinois	5,075	5,666	6,215	6,735	7,308	8,049	8,900	9,859	10,658
Indiana	4,314	4,909	5,225	5,609	6,250	6,940	7,716	8,570	8,978
Michigan	4,804	5,340	5,670	5,991	6,760	7,604	8,507	9,381	9,847
Ohio	4,512	4,973	5,433	5,778	6,411	7,091	7,826	8,713	9,398
Wisconsin	4,266	4,747	5,182	5,616	6,087	6,823	7,515	8,470	9,254
PLAINS	4,274	5,037	5,267	5,719	6,075	6,796	7,605	8,487	9,154
Iowa	4,218	5,166	5,327	5,894	6,171	6,899	7,887	8,669	9,178
Kansas	4,470	5,149	5,505	5,958	6,444	7,110	7,989	9,099	9,958
Minnesota	4,358	5,115	5,422	5,779	6,214	7,106	7,821	8,746	9,519
Missouri	4,185	4,689	5,007	5,476	5,935	6,617	7,311	8,248	8,846
Nebraska	4,364	5,127	5,196	5,882	6,057	6,661	7,412	8,291	8,914
North Dakota	4,235	6,064	5,879	5,888	5,756	5,947	7,635	7,683	8,556
South Dakota	3,847	4,948	4,753	5,009	4,956	5,868	6,335	6,992	7,452
SOUTHEAST	3,829	4,278	4,689	5,028	5,543	6,090	6,826	7,621	8,116
Alabama	3,439	3,852	4,233	4,635	5,159	5,651	6,345	6,971	7,484
Arkansas	3,302	3,829	4,271	4,510	4,933	5,450	6,182	6,953	7,180
Florida	4,461	4,973	5,338	5,631	6,094	6,740	7,591	8,521	8,987
Georgia	3,953	4,391	4,755	5,029	5,530	6,030	6,825	7,627	8,000
Kentucky	3,613	4,021	4,520	4,887	5,404	5,968	6,645	7,377	7,718
Louisiana	3,493	3,899	4,373	4,803	5,399	5,985	6,739	7,594	8,282
Mississippi	3,094	3,460	3,781	4,047	4,519	5,027	5,586	6,200	6,508
North Carolina	3,810	4,251	4,624	4,940	5,473	5,941	6,660	7,382	7,852
South Carolina	3,519	3,945	4,405	4,665	5,179	5,676	6,340	7,056	7,519
Tennessee	3,696	4,149	4,506	4,804	5,344	5,848	6,585	7,316	7,786
Virginia	4,386	4,851	5,337	5,772	6,333	6,951	7,666	8,588	9,435
West Virginia	3,612	3,981	4,425	4,962	5,479	6,011	6,589	7,402	7,831
SOUTHWEST	4,023	4,517	4,979	5,469	6,023	6,733	7,615	8,600	9,246
Arizona	4,319	4,744	5,123	5,931	5,891	6,520	7,383	8,438	8,649
New Mexico	3,596	3,936	4,328	4,843	5,319	5,919	6,742	7,482	7,956
Oklahoma	3,841	4,371	4,822	5,280	5,740	6,455	7,405	8,394	9,081
Texas	4,053	4,564	5,048	5,584	6,175	6,908	7,784	8,778	9,513
ROCKY MOUNTAIN	4,189	4,734	5,153	5,571	6,060	6,659	7,518	8,319	9,015
Colorado	4,540	5,046	5,495	5,987	6,526	7,184	8,102	9,114	9,964
Idaho	3,872	4,482	5,028	5,179	5,721	6,180	6,983	7,632	8,126
Montana	4,013	4,760	4,976	5,388	5,583	6,020	7,071	7,528	8,445
Utah	3,719	4,100	4,462	4,900	5,379	5,964	6,581	7,182	7,485
Wyoming	4,352	5,120	5,653	6,123	6,777	7,647	8,627	9,630	10,692
FAR WEST	4,908	5,353	5,910	6,474	7,126	7,866	8,782	9,884	10,658
California	5,022	5,444	6,015	6,575	7,229	7,975	8,879	10,037	10,856
Nevada	5,167	5,698	6,063	6,625	7,318	8,276	9,506	10,500	10,458
Oregon	4,338	4,829	5,312	5,769	6,419	7,190	8,078	8,887	9,400
Washington	4,545	5,089	5,647	6,298	6,931	7,585	8,542	9,531	10,363
Alaska	5,234	6,066	7,137	9,636	10,274	10,417	10,504	11,152	12,406
Hawaii	5,078	5,564	6,134	6,708	7,134	7,712	8,450	9,248	9,787

SOURCE: U.S. Department of Commerce, *Survey of Current Business,* April 1981.

TABLE 28. PER CAPITA PERSONAL INCOME INDEX, BY REGION AND BY STATE, 1972 TO 1980

Region and state 1	1972 2	1973 3	1974 4	1975 5	1976 6	1977 7	1978 8	1979 9	1980 10
UNITED STATES	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
NEW ENGLAND	105.7	103.7	103.8	102.9	102.5	101.7	101.4	101.8	105.0
Connecticut	119.1	117.9	117.7	116.0	114.7	114.2	114.4	115.7	121.0
Maine	80.9	82.0	82.8	81.3	83.7	81.6	80.7	80.5	81.8
Massachusetts	107.2	104.4	104.4	103.7	103.0	102.2	101.4	101.6	105.6
New Hampshire	93.3	92.4	92.5	92.4	94.4	94.4	95.5	95.6	94.9
Rhode Island	98.7	96.0	97.4	97.4	96.9	96.4	97.2	97.1	97.8
Vermont	86.9	84.8	84.4	84.0	84.3	82.9	83.7	84.9	82.9
MIDEAST	111.0	108.7	109.2	108.9	107.4	105.5	104.6	104.0	106.3
Delaware	113.2	113.3	112.0	111.7	110.7	108.6	107.1	106.0	107.8
District of Columbia	122.9	119.5	121.5	123.9	124.5	123.8	120.0	119.4	125.6
Maryland	110.1	109.6	109.6	109.2	110.2	108.1	108.5	106.6	109.1
New Jersey	118.5	116.6	116.5	115.9	113.9	112.6	112.1	111.3	113.7
New York	115.2	111.7	112.0	111.2	108.2	105.5	104.4	104.0	107.2
Pennsylvania	99.1	98.2	99.5	99.7	100.0	98.9	97.7	97.7	98.3
GREAT LAKES	104.1	104.6	104.0	103.2	104.3	105.3	104.8	104.2	103.3
Illinois	113.0	113.8	114.5	114.9	114.2	114.3	113.4	112.6	112.7
Indiana	118.3	98.6	96.3	95.7	97.6	98.5	98.3	97.9	94.9
Michigan	106.9	107.2	104.5	102.2	105.6	108.0	108.4	107.1	104.1
Ohio	100.4	99.9	100.1	98.6	100.2	100.7	99.7	99.5	99.4
Wisconsin	94.9	95.3	95.5	95.8	95.1	96.9	95.8	96.7	97.8
PLAINS	95.1	101.1	97.0	97.6	94.9	96.5	96.9	96.9	96.8
Iowa	93.9	103.7	98.1	100.6	96.4	98.0	100.5	99.0	97.0
Kansas	99.5	103.4	101.4	101.7	100.7	101.0	101.8	103.9	105.3
Minnesota	97.0	102.7	99.9	98.6	97.1	100.9	99.7	99.9	100.6
Missouri	93.1	94.2	92.2	93.4	92.7	94.0	93.2	94.2	93.5
Nebraska	97.1	103.0	95.7	100.4	94.6	94.6	94.5	94.7	94.2
North Dakota	94.3	121.8	108.3	100.5	89.9	84.4	97.3	87.7	90.5
South Dakota	85.6	99.4	87.6	85.5	77.4	83.3	80.7	79.8	78.8
SOUTHEAST	85.2	85.8	86.4	85.8	86.6	86.5	87.0	87.0	85.8
Alabama	76.5	77.3	78.0	79.1	80.6	80.2	80.9	79.6	79.1
Arkansas	73.5	76.9	78.7	76.9	77.1	77.4	78.8	79.4	75.9
Florida	99.3	99.9	98.3	96.1	95.2	95.7	96.7	97.3	95.0
Georgia	88.0	88.7	87.6	85.8	86.4	85.6	87.0	87.1	84.6
Kentucky	80.4	80.7	83.3	83.4	84.4	84.7	84.7	84.2	81.6
Louisiana	77.7	78.3	80.6	81.9	84.3	85.0	85.9	86.7	87.6
Mississippi	68.9	69.5	69.7	69.0	70.6	71.4	71.2	70.8	68.8
North Carolina	84.8	85.4	85.2	84.3	85.5	84.4	84.9	84.3	83.0
South Carolina	78.3	79.2	81.2	79.6	80.9	80.6	80.8	80.6	79.5
Tennessee	82.3	83.3	83.0	82.0	83.5	83.0	83.9	83.5	82.3
Virginia	97.6	97.4	98.3	98.5	98.9	98.7	97.7	98.1	99.8
West Virginia	80.4	79.9	81.5	84.7	85.6	85.3	84.0	84.5	82.8
SOUTHWEST	89.5	90.7	91.7	93.3	94.1	95.6	97.1	98.2	97.8
Arizona	96.1	95.3	94.4	92.0	92.0	92.6	94.1	96.4	91.4
New Mexico	80.9	79.0	79.7	82.6	83.1	84.0	85.9	85.4	84.1
Oklahoma	85.5	87.8	88.8	90.1	89.7	91.7	94.4	95.9	96.0
Texas	90.2	91.6	93.0	95.3	96.5	98.1	99.2	100.2	100.6
ROCKY MOUNTAIN	93.2	95.1	94.9	95.1	94.7	94.5	95.8	95.0	95.3
Colorado	101.0	101.3	101.2	102.1	102.0	102.0	103.3	104.1	105.3
Idaho	86.2	90.0	92.6	88.4	89.4	87.7	89.0	87.2	85.9
Montana	89.3	95.6	91.7	91.9	87.2	85.5	90.1	86.0	89.3
Utah	82.8	82.3	82.2	83.6	84.0	84.7	83.9	82.0	79.1
Wyoming	96.9	102.8	104.2	104.5	105.9	108.6	110.0	110.0	113.0
FAR WEST	109.2	107.5	108.9	110.5	111.3	111.7	111.9	112.9	112.7
California	111.8	109.3	110.8	112.2	112.9	113.2	113.2	114.6	114.8
Nevada	115.0	114.4	111.7	113.0	114.3	117.5	121.2	119.9	110.6
Oregon	96.6	97.0	97.9	98.4	100.3	102.1	103.0	101.5	99.4
Washington	101.2	102.2	104.0	107.5	108.3	107.7	108.9	108.8	109.6
Alaska	116.5	121.8	131.5	164.4	160.5	147.9	133.9	127.3	131.2
Hawaii	113.0	111.7	113.0	114.5	111.5	109.5	107.7	105.6	103.5

SOURCE: Computed from data in Table 27.

TABLE 29.—AVERAGE WEEKLY AND ANNUAL EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS, ALL PRIVATE NONAGRICULTURAL PAYROLLS,[a,b] 1960 TO 1981

Year	Average weekly hours	Average hourly rate	Average weekly earnings	Estimated annual earnings[c]	
				Amount	Index: 1967=100.0
1	2	3	4	5	6
1960	38.6	$2.09	$ 80.67	$ 4,195	79.2
1961	38.6	2.14	82.60	4,295	81.1
1962	38.7	2.22	85.91	4,467	84.3
1963	38.8	2.28	88.46	4,600	86.9
1964	38.7	2.36	91.33	4,749	89.7
1965	38.8	2.46	95.45	4,963	93.7
1966	38.6	2.56	98.82	5,139	97.0
1967	38.0	2.68	101.84	5,296	100.0
1968	37.8	2.85	107.73	5,602	105.8
1969	37.7	3.04	114.61	5,960	112.5
1970	37.1	3.23	119.83	6,231	117.7
1971	36.9	3.45	127.31	6,620	125.0
1972	37.0	3.70	136.90	7,119	134.4
1973	36.9	3.94	145.39	7,560	142.7
1974	36.5	4.24	154.76	8,048	152.0
1975	36.1	4.53	163.53	8,504	160.6
1976	36.1	4.86	175.45	9,123	172.3
1977	36.0	5.25	189.00	9,828	185.6
1978	35.8	5.69	203.70	10,592	200.0
1979	35.6	6.16	219.30	11,404	215.3
1980	35.3	6.66	235.10	12,225	230.8
1981 (10 months)	35.2	7.20	253.44	13,179	248.8

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics. *Employment and Earnings*, November 1981.

[a] Data relate to production workers in mining and manufacturing; to construction workers in contract construction; and to nonsupervisory workers in wholesale and retail trade; finance, insurance, and real estate; transportation and public utilities and services.

[b] These data are periodically revised by the Bureau of Labor Statistics.

[c] Computed by NEA Research from weekly earnings shown in report.

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Prices, Budgets, Salaries, and Income
Fall Issue
(October 1982)

[redacted]

NEA 430 PC

This NEA Research Memo updates and replaces the Spring 1982 issue.

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PRICES, BUDGETS, SALARIES AND INCOME
Fall Issue
(October 1982)

Peter Veillette
Project Director

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FAMILY BUDGETS

The family budget figures for 1981 contained in this issue of PBSI represent the final publication of this data by the Bureau of Labor Statistics. BLS announced the elimination of the family budget program as a part of its overall budget reduction. Continuation would have required extensive revision of the expenditure data upon which the budgets were based. Funding for this revision was not available.

The Fall 1981 family budget data was released by BLS in April 1982. April has been the month for issuance of this report since 1971. Regular users of family budget figures should therefore feel free to use this most recent data until April 1983.

CONSUMER PRICE INDEX

On October 27, 1981, the Bureau of Labor Statistics announced its intention to change the way in which homeownership costs are measured for the Consumer Price Index. Effective with data for January 1983, the Consumer Price Index for All Urban Consumers (CPI-U) will incorporate a rental equivalence measure for homeownership costs. Effective with data for January 1985, the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) will also incorporate the rental equivalence approach.

INTRODUCTION

Prices, Budgets, Salaries, and Income (PBSI) features historical and current statistics of economic significance to state and local education associations. The 29 tables are arranged in four series: consumer prices, family budgets, salaries, and income. Regional, state, and local data are included whenever possible. Because data from the NEA and from federal sources are revised periodically, regular users of *PBSI* are cautioned not to rely on prior *PBSI* editions, for the information they seek may have been further revised in the latest issue for the sake of statistical accuracy.

Creative uses of PBSI data can serve several diverse association purposes. These might include: organizing and membership, negotiations and fact-finding, or communications and public relations. Depending upon one's particular needs it is possible to generate data showing growth rates, projections, comparisons, ratios, etc. It is often useful to relate data from one section of the report to that of another. For example, salary increases may be related to consumer prices, or family budgets may be related to personal income and teacher salaries. Because there are many possible combinations, any one of which might be relevant to a particular local situation, they cannot all be contained in this report. Instead, the basic data are given in the four major sections.

In addition to these syntheses PBSI users should explore possibilities of incorporating state and local tax rate and collection data into their files of basic economic information. The state-local partnership in financing schools depends on the balance of income, sales, and property taxes to provide the dollars for this task. Increasingly this revenue side of the school finance equation must be monitored to assure that education recieves its fair share of available resources. Although such information is beyond the scope of this Research Memo it is essential to an understanding of local economic conditions and the ability to support education.

HIGHLIGHTS

Teacher salaries for 1981-82 averaged $19,064, an 8.4 percent increase over last year (Table 10).

For school year 1981-82 the Consumer Price Index increased by 7.9 percent (Table 1). Over the five-year period, 1976-77 through 1981-82 prices increased by 60 percent and teacher salaries by slightly over 40 percent (Tables 1 and 10).

NEA Research estimates the 1982-83 school year CPI (Sept.-Aug.) to increase by 7.0 percent over 1981-82 (Table 1).

Goods and services you paid $10 for during the 1972-73 school year are estimated to cost $23.51 in 1982-83 (Table 3).

Teacher salaries as a percent of the intermediate standard budget continue to fall further behind from 88.5 percent in 1971 to 75.0 percent in 1981 (Table 9).

Regions that predominantly include bargaining states still pay the highest teacher salaries for 1981-82; Far West, $22,252, Mideast, $21,061; and Great Lakes, $20,044. Lowest teacher salaries for 1981-82 are paid in predominantly nonbargaining regions: Southeast, $16,353; Plains, $17,340 and Southwest, $17,526. The difference between the bargaining and nonbargaining regions is about $6,000 per year (Table 10).

Average earnings of full-time state, local, and city employees show slightly greater increases in earnings from 1973 to 1980 in comparison to average earnings for instructional personnel in local schools and average salary paid teachers (Tables 14 and 16).

While the minimum scheduled salary for Federal G.S. Classified employees has increased 43.2 percent from 1975-1980, average minimum salary for teachers has increased only 34.1 percent (Tables 18 and 20).

Beginning salaries for teachers with a B.A. degree in 1980 were lower than any professional occupation as reported by BLS (Table 19), and starting offers for any subjects field as reported in Endicott reports (Table 20) or College Placement Council reports (Table 22).

The more education and higher degrees a teacher earns the less money they make in relation to beginning offers for other curriculum fields. For example, when the average teacher minimum salary for the B.,A., M.A. and Doctorate degree levels are indexed to 100 for 1980-81, the respective index for the beginning offer in chemistry is 160.4, 186.3, and 195.8. In money this means $7,106 at the B.A. degree level to a $14,053 difference at the doctorate level (Tables 22, 23, and 24).

Over the five years from 1976 to 1981, per capita income has increased by 63.9 percent while teacher's average salaries have only increased by 39.0 percent (Table 10 and 27). Similarly, earnings of production workers have increased by 45.5 percent showing teacher salaries are falling further behind (Table 29).

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TABLE 1.—CONSUMER PRICE INDEX, ALL ITEMS, 1970 TO 1982 (1967 = 100.0)

Year 1	January 2	February 3	March 4	April 5	May 6	June 7	July 8	August 9	September 10	October 11	November 12	December 13	Average for year 14	Percent change from previous year 15
1970........	113.3	113.9	114.5	115.2	115.7	116.3	116.7	116.9	117.5	118.1	118.5	119.1	116.3	5.9
1971........	119.2	119.4	119.8	120.2	120.8	121.5	121.8	122.1	122.2	122.4	122.6	123.1	121.3	4.3
1972........	123.2	123.8	124.0	124.3	124.7	125.0	125.5	125.7	126.2	126.6	126.9	127.3	125.3	3.3
1973........	127.7	128.6	129.8	130.7	131.5	132.4	132.7	135.1	135.5	136.6	137.6	138.5	133.1	6.2
1974........	139.7	141.5	143.2	143.9	145.5	146.9	148.0	149.9	151.7	153.0	154.3	155.4	147.7	11.0
1975........	156.1	157.2	157.8	158.6	159.3	160.6	162.3	162.8	163.6	164.6	165.6	166.3	161.2	9.1
1976........	166.7	167.1	167.5	168.2	169.2	170.1	171.1	171.9	172.6	173.3	173.8	174.3	170.5	5.8
1977........	175.3	177.1	178.2	179.6	180.6	181.8	182.6	183.3	184.0	184.5	185.4	186.1	181.5	6.5
CPI-W[a]														
1978........	187.1	188.4	189.7	191.4	193.3	195.3	196.7	197.7	199.1	200.7	201.8	202.9	195.3	7.6
1979........	204.7	207.1	209.3	211.8	214.3	216.9	219.4	221.5	223.7	225.6	227.6	230.0	217.7	11.5
1980........	233.3	236.5	239.9	242.6	245.1	247.8	248.0	249.6	251.9	254.1	256.4	258.7	247.0	13.5
1981........	260.7	263.5	265.2	266.8	269.1	271.4	274.6	276.5	279.1	279.9	280.4	281.1	272.3	10.2
b...........	11.7	11.4	10.5	10.0	9.8	9.5	10.7	10.8	10.8	10.1	9.4	8.7		
1982........	282.1	282.9	282.5	283.7	286.5	290.1	291.8	292.4						
b...........	8.2	7.4	6.5	6.3	6.5	6.9	6.3	5.8						
CPI-U[c]														
1978........	187.2	188.4	189.8	191.5	193.3	195.3	196.7	197.8	199.3	200.9	202.0	202.9	195.4	7.7
1979........	204.7	207.1	209.1	211.5	214.1	216.6	218.9	221.1	223.4	225.4	227.5	229.9	217.4	11.3
1980........	233.2	236.4	239.8	242.5	244.9	247.6	247.8	249.4	251.7	253.9	256.2	258.4	246.8	13.5
1981........	260.5	263.2	265.1	266.8	269.0	271.3	274.4	276.5	279.3	279.9	280.7	281.5	272.4	10.4
b...........	11.7	11.3	10.6	10.0	9.8	9.6	10.7	10.9	11.0	10.2	9.6	8.9		
1982........	282.5	283.4	283.1	284.3	287.1	290.6	292.2	292.8						
b...........	8.4	7.7	6.8	6.6	6.7	7.1	6.5	5.9						

Percent change, August 1972 to August 1982: 132.9%
Percent change, August 1977 to August 1982: 59.7%

School year	CPI (September to August)[d]	Percent change from previous year
1970-71	119.8	4.9
1971-72	123.9	3.4
1972-73	129.6	4.6
1973-74	142.2	9.7
1974-75	157.4	10.7
1975-76	167.7	6.5
1976-77	177.7	6.0
1977-78	190.0	6.9
1978-79	209.0	10.0
1979-80	237.3	13.5
1980-81	263.9	11.2
1981-82	284.8	7.9
1982-83 (est.) ...	304.7	7.0

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *The Consumer Price Index*, various dates.

[a] CPI-W = Revised CPI for urban wage earners and clerical workers.

[b] Percent change of the month's CPI from the same month's CPI of the previous year.

[c] CPI-U = CPI for all urban consumers.

[d] Percent changes and the school year CPI computed by NEA Research.

TABLE 2.—CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U),[1] ALL ITEMS—U.S. CITY AVERAGE AND SELECTED AREAS (1967 = 100.0, unless otherwise noted)

Area[2]	Other index base	Indexes				Percent change to July 1982 from—			Percent change to June 1982 from—		
		Apr. 1982	May 1982	June 1982	July 1982	July 1981	May 1982	June 1982	June 1981	Apr. 1982	May. 1982
1	2	3	4	5	6	7	8	9	10	11	12
U.S. city average		284.3	287.1	290.6	292.2	6.5	1.8	0.6	7.1	2.2	1.2
Chicago, Ill.-Northwestern Ind.		280.2	287.7	291.8	293.1	7.5	1.9	0.4	8.4	4.1	1.4
Detroit, Mich.		283.7	285.9	289.1	292.4	3.3	2.3	1.1	3.1	1.9	1.1
L.A.-Long Beach, Anaheim, Calif.		286.8	287.1	290.1	289.3	6.3	0.8	-0.3	8.3	1.2	1.0
N.Y., N.Y.-Northeastern N.J		268.2	270.9	276.7	277.3	5.6	2.4	0.2	7.0	3.2	2.1
Philadelphia, Pa.-N.J.		275.1	275.1	279.7	281.1	5.0	2.2	0.5	5.4	1.7	1.7
Anchorage, Alaska	10/67	...	263.8	...	263.6	7.1	-0.1	...	...	...	...
Baltimore, Md.		...	283.6	...	286.1	5.0	0.9	...	...	...	...
Boston, Mass.		...	272.5	...	279.2	4.8	2.5	...	...	...	...
Cincinnati, Ohio-Ky.-Ind.		...	288.7	...	293.3	7.3	1.6	...	...	...	...
Denver-Boulder, Colo.		...	313.4	...	319.9	8.7	2.1	...	...	...	...
Miami, Fla.	11/77	...	155.7	...	155.1	6.2	-0.4	...	...	...	...
Milwaukee, Wisc.		...	292.9	...	296.5	3.8	1.2	...	...	...	...
Northeast Pennsylvania		...	270.2	...	275.1	3.4	1.8	...	...	...	...
Portland, Oreg.-Wash.		...	282.1	...	292.5	4.2	3.7	...	...	...	...
St. Louis, Mo.-Ill.		...	285.7	...	290.2	7.7	1.6	...	...	...	...
San Diego, Calif.		...	329.2	...	334.8	9.6	1.7	...	...	...	...
Seattle-Everett, Wash.		...	301.2	...	296.6	5.1	-1.5	...	...	...	...
Washington, D.C.-Md.-Va.		...	278.4	...	281.3	5.3	1.0	...	...	...	...
Atlanta, Ga.		280.2	...	291.1	...	...	...	...	8.1	3.9	...
Buffalo, N.Y.		258.3	...	265.8	...	...	...	...	3.3	2.9	...
Cleveland, Ohio		286.5	...	265.8	...	...	...	...	4.4	3.9	...
Dallas-Fort Worth, Texas		297.2	...	304.8	...	...	...	...	6.6	2.6	...
Honolulu, Hawaii		263.8	...	269.5	...	...	...	...	6.6	2.2	...
Houston, Texas		304.9	...	313.9	...	...	...	...	7.2	3.0	...
Kansas City, Mo.-Kans.		274.0	...	281.6	...	...	...	...	4.1	2.8	...
Minneapolis-St. Paul, Minn.-Wisc.		301.7	...	304.1	...	...	...	...	10.1	0.8	...
Pittsburgh, Pa.		275.3	...	285.1	...	...	...	...	5.1	3.6	...
San Francisco-Oakland, Calif.		298.8	...	304.6	...	...	...	...	11.2	1.9	...
Region[3]											
Northeast	12/77	147.2	...	151.7	...	...	...	...	6.4	3.1	...
North Central	12/77	154.3	...	151.7	...	...	...	...	7.3	2.3	...
South	12/77	153.6	...	157.3	...	...	...	...	7.2	2.4	...
West	12/77	156.9	...	158.5	...	...	...	...	7.6	1.0	...
Population size class[3]											
A-1	12/77	149.3	...	153.2	...	...	...	...	7.0	2.6	...
A-2	12/77	154.3	...	157.8	...	...	...	...	7.1	2.3	...
B	12/77	154.8	...	157.8	...	...	...	...	6.3	1.6	...
C	12/77	153.0	...	156.7	...	...	...	...	7.5	2.4	...
D	12/77	153.9	...	157.1	...	...	...	...	8.5	2.1	...
Region/population size class cross classification[3]											
Northeast/A	12/77	143.6	...	147.7	...	...	...	...	6.2	2.9	...
North Central/A	12/77	155.2	...	159.6	...	...	...	...	6.4	2.8	...
South/A	12/77	152.9	...	156.3	...	...	...	...	6.9	2.2	...
West/A	12/77	158.5	...	160.8	...	...	...	...	9.0	1.5	...
Northeast/B	12/77	150.0	...	155.5	...	...	...	...	5.9	3.7	...
North Central/B	12/77	155.1	...	155.3	...	...	...	...	5.9	0.1	...
South/B	12/77	155.7	...	158.4	...	...	...	...	6.5	1.7	...
West/B	12/77	157.0	...	158.6	...	...	...	...	6.4	1.0	...
Northeast/C	12/77	158.6	...	163.5	...	...	...	...	7.2	3.1	...
North Central/C	12/77	151.2	...	155.2	...	...	...	...	9.1	2.6	...
South/C	12/77	152.3	...	157.6	...	...	...	...	8.0	3.5	...
West/C	12/77	151.1	...	149.7	...	...	...	...	4.0	-0.9	...
Northeast/D	12/77	151.9	...	156.9	...	...	...	...	7.2	3.3	...
North Central/D	12/77	153.3	...	156.4	...	...	...	...	9.3	2.0	...
South/D	12/77	153.5	...	156.5	...	...	...	...	8.1	2.0	...
West/D	12/77	157.9	...	159.9	...	...	...	...	8.8	1.3	...

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *The Consumer Price Index,* various dates.

[1] Indexes measure time-to-time changes in prices. They do not indicate whether it costs more to live in one area than in another.

[2] Area includes the urban portion of the corresponding Standard Metropolitan Statistical Area (SMSA) except for L.A.-Long Beach, Anaheim, which is an aggregation of two SMSA's, and for New York and Chicago, which are the more extensive Standard Consolidated Areas. Area definitions are those established by the Office of Management and Budget and do not include revisions made since 1973.

[3] Regions are defined as the four Census regions.

The population size classes are aggregations of areas which have urban population as defined below:

A-1	More than 4,000,000
A-2	1,250,000 to 4,000,000
B	385,000 to 1,250,000
C	75,000 to 385,000
D	Less than 75,000.

Population size class A is the aggregation of population size classes A-1 and A-2.

TABLE 3.—CONSUMER PRICE INDEX BASE YEAR CONVERSIONS

School year	Sept.-Aug. CPI	1967-68 base	1968-69 base	1969-70 base	1970-71 base	1971-72 base	1972-73 base	1973-74 base	1974-75 base	1975-76 base	1976-77 base	1977-78 base	1978-79 base	1979-80 base
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1967-68	102.6	100.0												
1968-69	107.8	105.1	100.0											
1969-70	114.2	111.3	105.9	100.0										
1970-71	119.8	116.8	111.1	104.9	100.0									
1971-72	123.9	120.8	114.9	108.5	103.4	100.0								
1972-73	129.6	126.3	120.2	113.5	108.2	104.6	100.0							
1973-74	142.2	138.6	131.9	124.5	118.7	114.8	109.7	100.0						
1974-75	157.4	153.4	146.0	137.8	131.4	127.0	121.5	110.7	100.0					
1975-76	167.7	163.5	155.6	146.8	140.0	135.4	129.4	117.9	106.5	100.0				
1976-77	177.7	173.2	164.8	155.6	148.3	143.4	137.1	125.0	112.9	106.0	100.0			
1977-78	190.0	185.2	176.3	166.4	158.6	153.3	146.6	133.6	120.7	113.3	106.9	100.0		
1978-79	209.0	203.7	193.9	183.0	174.5	168.7	161.3	147.0	132.8	124.6	117.6	110.0	100.0	
1979-80	237.3	231.3	220.1	207.8	198.1	191.5	183.1	166.9	150.8	141.5	133.5	124.9	113.5	100.0
1980-81	263.9	257.2	244.8	231.1	220.3	213.0	203.6	185.6	167.7	157.4	148.5	138.9	126.3	111.2
1981-82	284.8	277.6	264.2	249.4	237.7	229.9	219.8	200.3	180.9	169.8	160.3	149.9	136.3	120.0
1982-83 (est.) .	304.7	297.0	282.7	266.8	254.3	245.9	235.1	214.3	193.6	181.7	171.5	160.4	145.8	128.4

The CPI may be converted to any base year by dividing the September to August CPI for the year to be converted by the September to August CPI for the base year selected, and multiplying the quotient by 100. For example, to convert the 1979-80 CPI to a 1974-75 base year: 237.3/157.4 = 1.508 × 100 = 150.8.

TABLE 4.—PURCHASING POWER OF THE DOLLAR, 1970 TO 1982 (1967 = $1.00)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1970 ...	.883	.878	.873	.868	.864	860	.857	.855	.851	.847	.844	.840	.860
1971 ...	.839	.838	.835	.832	.828	.823	.821	.819	.818	.817	.816	.812	.824
1972 ...	.812	.808	.806	.805	.802	.800	.797	.796	.792	.790	.788	.786	.798
1973 ...	.783	.778	.770	.765	.760	.755	.754	.740	.738	.732	.727	.722	.751
1974 ...	.716	.707	.698	.695	.687	.681	.676	.667	.659	.654	.648	.644	.677
1975 ...	.641	.636	.634	.631	.628	.623	.616	.614	.611	.608	.604	.601	.620
1976 ...	.600	.598	.597	.595	.591	.588	.584	.582	.579	.577	.575	.574	.587
1977 ...	.570	.565	.561	.557	.554	.550	.548	.546	.543	.542	.539	.537	.551
1978 ...	.534	.531	.527	.522	.517	.512	.508	.506	.502	.498	.495	.493	.512
1979 ...	.489	.483	.478	.473	.467	.462	.457	.452	.448	.444	.440	.435	.460
1980 ...	.429	.423	.417	.412	.408	.404	.404	.401	.397	.394	.390	.387	.405
1981 ...	.384	.380	.377	.375	.372	.369	.364	.362	.358	.357	.356	.355	.367
1982 ...	.354	.353	.353	.352	.348	.344	.342	.342					

SOURCE: Computed from data in Table 1.

TABLE 5.—ESTIMATED ANNUAL COSTS OF THREE BUDGETS FOR A FOUR-PERSON FAMILY, FALL 1977 TO FALL 1981[a]

Area	Annual costs—Total budget					Percent increase, Fall 1981 over Fall 1980
	Fall 1977	Fall 1978	Fall 1979	Fall 1980	Fall 1981	
1	2	3	4	5	6	7
Lower Budget:						
Urban United States	$10,481	$11,546	$12,585	$14,044	$15,323	9.1
Metropolitan areas[b]	10,636	11,685	12,722	14,203	15,481	9.0
Nonmetropolitan areas[c]	9,790	10,925	11,972	13,331	14,619	9.7
Intermediate Budget:						
Urban United States	17,106	18,622	20,517	23,134	25,407	9.8
Metropolitan areas[b]	17,498	18,982	20,935	23,597	25,893	9.7
Nonmetropolitan areas[c]	15,353	17,016	18,651	21,070	23,238	10.3
Higher Budget:						
Urban United States	25,202	27,420	30,317	34,409	38,060	10.6
Metropolitan areas[b]	25,983	28,186	31,187	35,391	39,117	10.5
Nonmetropolitan areas[c]	21,712	24,000	26,432	30,024	33,338	11.0

SOURCES: U.S. Department of Labor, Bureau of Labor Statistics. *Monthly Labor Review*, various issues; Press Release USDL: 82-139, April 16, 1982.

[a] The family consists of an employed husband, age 38, a wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy.

[b] Standard Metropolitan Statistical Areas.

[c] Places with 2,500 to 50,000 inhabitants.

TABLE 6.—ANNUAL COSTS OF BUDGETS FOR THREE LIVING STANDARDS,[a] FALL 1981

Budget item	Urban United States								
	Total			Metropolitan areas[b]			Nonmetropolitan areas[c]		
	Lower	Intermed.	Higher	Lower	Intermed.	Higher	Lower	Intermed.	Higher
1	2	3	4	5	6	7	8	9	10
Total budget	$15,323	$25,407	$38,060	$15,481	$25,893	$39,117	$14,619	$23,238	$33,338
Total cost of family consumption	12,070	18,240	25,008	12,179	18,523	25,560	11,579	16,978	22,545
Food	4,545	5,842	7,367	4,596	5,915	7,512	4,313	5,521	6,712
Housing	2,817	5,546	8,423	2,863	5,659	8,652	2,612	5,045	7,403
Transportation	1,311	2,372	3,075	1,248	2,380	3,126	1,591	2,333	2,847
Clothing and personal care	1,316	1,841	2,666	1,327	1,853	2,683	1,265	1,785	2,595
Medical care	1,436	1,443	1,505	1,475	1,481	1,544	1,266	1,274	1,331
Other family consumption[d]	644	1,196	1,972	670	1,235	2,043	532	1,020	1,657
Other items[e]	621	1,021	1,719	624	1,032	1,745	606	978	1,594
Social Security and disability insurance	1,036	1,703	1,993	1,049	1,736	1,995	981	1,552	1,984
Personal income taxes	1,596	4,443	9,340	1,629	4,602	9,817	1,453	3,730	7,215

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics. Press Release, USDL: 82-139, April 16, 1982.

[a] The family consists of an employed husband, age 38, wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy.

[b] Standard Metropolitan Statistical Areas.

[c] Places with population of 2,500 to 50,000.

[d] Reading, recreation, education, tobacco, alcoholic beverages, education, and miscellaneous expenses.

[e] Gifts and contributions, life insurance, and occupational expenses.

TABLE 7.—INTERCITY AND AREA COMPARISONS OF A CITY WORKER'S FAMILY BUDGET FOR AN INTERMEDIATE STANDARD OF LIVING, FALL 1977 TO FALL 1981

Area	Total budget[a]					Percent increase, Fall 1981 over Fall 1980[d]
	Fall 1977	Fall 1978	Fall 1979	Fall 1980	Fall 1981	
1	2	3	4	5	6	7
United States	$17,106	$18,622	$20,517	$23,134	$25,407	9.8
Metropolitan areas[b]	17,498	18,982	20,935	23,597	25,893	9.7
Nonmetropolitan areas[c]	15,353	17,016	18,651	21,070	23,238	10.3
Northeast						
Boston, Mass.	20,609	22,117	24,381	27,029	29,213	8.1
Buffalo, N.Y.	18,298	19,517	21,806	23,995	26,473	10.3
Hartford, Conn.	17,796	19,392	[e]	[e]	[e]	. . .
Lancaster, Pa.	16,322	17,982	[e]	[e]	[e]	. . .
New York—Northeastern N.J.	19,972	21,587	23,856	26,749	29,540	10.4
Philadelphia, Pa.—N.J.	17,792	19,416	21,436	24,364	26,567	9.0
Pittsburgh, Pa.	16,516	18,008	19,890	22,492	24,717	9.9
Portland, Maine	17,578	19,186	[e]	[e]	[e]	. . .
Nonmetropolitan areas[c]	17,052	18,694	20,730	23,319	25,839	10.8
North Central						
Cedar Rapids, Iowa	16,681	18,224	[e]	[e]	[e]	. . .
Champaign—Urbana, Ill.	17,223	19,076	[e]	[e]	[e]	. . .
Chicago, Ill.—Northwestern Ind.	17,330	18,794	20,564	23,387	25,358	8.4
Cincinnati, Ohio—Ky.—Ind.	16,547	18,354	20,287	22,681	25,475	12.3
Cleveland, Ohio	17,411	18,987	20,868	23,429	25,598	9.3
Dayton, Ohio	15,695	17,430	[e]	[e]	[e]	. . .
Detroit, Mich.	17,427	19,145	20,821	23,168	25,208	8.8
Green Bay, Wisc.	16,768	18,490	[e]	[e]	[e]	. . .
Indianapolis, Ind.	16,695	18,193	[e]	[e]	[e]	. . .
Kansas City, Mo.—Kans.	16,486	18,262	19,618	22,504	24,528	9.0
Milwaukee, Wisc.	18,230	20,025	21,387	24,028	26,875	11.8
Minneapolis—St. Paul, Minn.	17,813	19,389	21,426	23,630	25,799	9.2
St. Louis, Mo.—Ill.	16,377	17,897	19,963	22,248	24,498	10.1
Wichita, Kans.	15,994	17,783	[e]	[e]	[e]	. . .
Nonmetropolitan areas[c]	15,658	17,363	18,876	21,288	23,191	8.9
South						
Atlanta, Ga.	15,483	16,897	18,821	21,131	23,273	10.1
Austin, Texas	14,776	16,211	[e]	[e]	[e]	. . .
Baltimore, Md.	17,204	18,699	20,316	23,389	25,114	7.4
Baton Rouge, La.	15,283	16,806	[e]	[e]	[e]	. . .
Dallas, Texas	15,313	16,714	18,301	20,766	22,678	9.2
Durham, N.C.	16,369	18,074	[e]	[e]	[e]	. . .
Houston, Texas	15,488	17,114	19,025	21,572	23,601	9.4
Nashville, Tenn.	15,290	16,627	[e]	[e]	[e]	. . .
Orlando, Fla.	14,910	16,334	[e]	[e]	[e]	. . .
Washington, D.C.—Md.—Va.	18,026	20,105	22,206	25,203	27,352	8.5
Nonmetropolitan areas[c]	14,471	16,024	17,454	19,769	21,829	10.4
West						
Bakersfield, Calif.	15,686	17,168	[e]	[e]	[e]	. . .
Denver, Colo.	16,711	18,565	20,468	22,813	24,820	8.8
Los Angeles—Long Beach, Calif.	17,126	17,722	19,871	22,500	25,025	11.2
San Diego, Calif.	16,721	17,707	20,088	22,727	24,776	9.0
San Francisco—Oakland, Calif.	18,519	19,427	21,478	24,704	27,082	9.6
Seattle—Everett, Wash.	17,211	18,671	20,719	23,392	25,881	10.6
Honolulu, Hawaii	20,883	23,099	25,799	28,488	31,893	12.0
Nonmetropolitan areas[c]	15,334	17,350	19,384	21,933	24,402	11.3
Anchorage, Alaska	24,019	26,329	27,933	29,682	31,890	7.4

SOURCES: U.S. Department of Labor, Bureau of Labor Statistics, *Monthly Labor Review*, various issues; Press Release, USDL: 82-139, April 16, 1982.

[a] The family consists of an employed husband, age 38, a wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy.

[b] Standard Metropolitan Statistical Areas.

[c] Places with population of 2,500 to 50,000.

[d] Computed by NEA Research from data presented.

[e] Data are no longer available as a result of the revision in the CPI program. Estimates for these areas are included in the U.S. urban average.

TABLE 8.—INDEX OF INTERCITY AND AREA COMPARISONS OF A CITY WORKER'S FAMILY BUDGET FOR AN INTERMEDIATE STANDARD OF LIVING, FALL 1977 TO FALL 1981

Area	Total budget[a]				
	Fall 1977	Fall 1978	Fall 1979	Fall 1980	Fall 1981
1	2	3	4	5	6
United States	100.0	100.0	100.0	100.0	100.0
Metropolitan areas	102.3	101.9	102.0	102.0	101.9
Nonmetropolitan areas	89.8	91.4	90.9	91.9	91.5
Northeast					
Boston, Mass.	120.5	118.8	118.8	116.8	115.0
Buffalo, N.Y.	106.7	104.8	106.3	103.7	104.2
Hartford, Conn.	104.0	104.3	*b*	*b*	*b*
Lancaster, Pa.	95.4	96.6	*b*	*b*	*b*
New York—Northeastern N.J.	116.8	115.9	116.3	115.6	116.3
Philadelphia, Pa.—N.J.	104.0	104.3	104.5	105.3	104.6
Pittsburgh, Pa.	96.6	96.7	96.9	97.2	97.3
Portland, Maine	102.8	103.0	*b*	*b*	*b*
Nonmetropolitan areas	99.7	100.4	101.0	100.8	101.7
North Central					
Cedar Rapids, Iowa	97.5	97.9	*b*	*b*	*b*
Champaign—Urbana, Ill.	100.7	102.4	*b*	*b*	*b*
Chicago, Ill.—Northwestern Ind.	101.3	100.9	100.2	101.1	99.8
Cincinnati, Ohio—Ky.—Ind.	96.7	98.6	98.9	98.0	100.3
Cleveland, Ohio	101.8	102.0	101.7	101.3	100.8
Dayton, Ohio	93.0	93.6	*b*	*b*	*b*
Detroit, Mich.	101.9	102.8	101.5	100.1	99.2
Green Bay, Wisc.	98.0	99.3	*b*	*b*	*b*
Indianapolis, Ind.	97.6	97.7	*b*	*b*	*b*
Kansas City, Mo.—Kans.	96.4	98.2	95.6	97.3	96.5
Milwaukee, Wisc.	106.6	107.5	104.2	103.9	105.8
Minneapolis—St. Paul, Minn.	104.1	104.1	104.4	102.1	101.5
St. Louis, Mo.—Ill.	95.7	96.1	97.3	96.2	96.4
Wichita, Kans.	93.5	95.5	*b*	*b*	*b*
Nonmetropolitan areas	91.5	93.2	92.0	92.0	91.3
South					
Atlanta, Ga.	90.5	90.7	91.7	91.3	91.6
Austin, Texas	86.4	87.1	*b*	*b*	*b*
Baltimore, Md.	100.6	100.4	99.0	101.1	98.8
Baton Rouge, La.	89.3	90.2	*b*	*b*	*b*
Dallas, Texas	89.5	89.8	89.2	89.8	89.3
Durham, N.C.	95.7	97.1	*b*	*b*	*b*
Houston, Texas	90.5	91.9	92.7	93.2	92.9
Nashville, Tenn.	89.4	89.3	*b*	*b*	*b*
Orlando, Fla.	87.2	87.7	*b*	*b*	*b*
Washington, D.C.—Md.—Va.	105.4	108.0	108.2	108.9	107.7
Nonmetropolitan areas	84.6	86.0	85.1	85.8	85.9
West					
Bakersfield, Calif.	91.7	92.2	*b*	*b*	*b*
Denver, Colo.	97.7	99.7	99.8	98.6	97.7
Los Angeles—Long Beach, Calif.	100.1	95.2	96.9	97.3	98.5
San Diego, Calif.	97.7	95.1	97.9	98.2	97.5
San Francisco—Oakland, Calif.	108.3	104.3	104.7	106.8	106.6
Seattle—Everett, Wash.	100.6	100.3	101.0	101.1	101.9
Honolulu, Hawaii	122.1	124.0	125.7	123.1	125.5
Nonmetropolitan areas	89.6	93.2	94.3	94.8	96.0
Anchorage, Alaska	140.4	141.4	136.1	128.3	125.5

[a] Computed by NEA Research from data in Table 7.

[b] Data are no longer available as a result of the revision in the CPI program.

TABLE 9.—TOTAL BUDGET FOR AN INTERMEDIATE STANDARD OF LIVING COMPARED TO AVERAGE SALARIES PAID TEACHERS, FALL 1971 TO FALL 1981

Budget date 1	Total budget—intermediate standard 2	Average salary paid teachers* 3	Percent that teacher's salary is of total budget 4
Fall 1971	$10,971	$ 9,705	88.5
Fall 1972	11,446	10,176	88.9
Fall 1973	12,626	10,778	85.4
Fall 1974	14,333	11,690	81.6
Fall 1975	15,318	12,653	82.6
Fall 1976	16,236	13,342	82.2
Fall 1977	17,106	14,247	83.3
Fall 1978	18,622	15,057	80.9
Fall 1979	20,517	15,966	77.8
Fall 1980	23,134	17,590	76.0
Fall 1981	25,407	19,064	75.0

SOURCES: U.S. Department of Labor, Bureau of Labor Statistics, *Monthly Labor Review*, various issues; Press Release USDL: 82-139, April 16, 1982; and NEA Research estimates.

*For school years 1971-72 to 1981-82.

TABLE 10.—AVERAGE SALARIES PAID TEACHERS, BY REGION, 1971-72 TO 1981-82

Year 1	New England 2	Mideast 3	Southeast 4	Great Lakes 5	Plains 6	Southwest 7	Rocky Mountain 8	Far West[a] 9	Average, all regions 10
1971-72	$ 9,848	$10,962	$ 8,164	$10,176	$ 8,980	$ 8,492	$ 8,699	$11,058	$ 9,705
1972-73	10,244	11,607	8,585	10,717	9,293	8,710	9,002	11,630	10,176
1973-74	10,750	12,272	9,249	11,264	9,757	8,993	9,547	12,579	10,778
1974-75	11,895	13,269	9,883	12,415	10,373	9,852	10,364	13,688	11,690
1975-76	12,715	14,487	10,531	13,237	11,259	11,194	11,423	14,949	12,653
1976-77	13,403	15,338	11,063	14,008	12,118	11,582	12,436	15,743	13,342
1977-78	14,256	16,206	12,155	14,872	12,735	12,627	13,241	16,618	14,247
1978-79	15,637	17,038	13,011	15,652	13,582	13,158	14,127	17,354	15,057
1979-80	16,325	18,178	13,712	16,868	14,381	14,201	15,322	17,910	15,964
1980-81	17,404	19,554	15,248	18,611	15,900	15,878	17,114	20,637	17,590
1981-82	18,478	21,061	16,353	20,044	17,340	17,526	18,700	22,252	19,064
				INDEX: Average, all regions = 100.0					
1971-72	101.5	113.0	84.1	104.9	92.5	87.5	89.6	113.9	100.0
1972-73	100.7	114.1	84.4	105.3	91.3	85.6	88.5	114.3	100.0
1973-74	99.7	113.9	85.8	104.5	90.5	83.4	88.6	116.7	100.0
1974-75	101.8	113.5	84.5	106.2	88.7	84.3	88.7	117.1	100.0
1975-76	100.5	114.5	83.2	104.6	89.0	88.5	90.3	118.1	100.0
1976-77	100.5	115.0	82.9	105.0	90.8	86.8	93.2	118.0	100.0
1977-78	100.1	113.8	85.3	104.4	89.4	88.6	92.9	116.6	100.0
1978-79	103.9	113.2	86.4	104.0	90.2	87.4	93.8	115.3	100.0
1979-80	102.3	113.9	85.9	105.7	90.1	89.0	96.0	112.2	100.0
1980-81	98.9	111.2	86.7	105.8	90.4	90.3	97.3	117.3	100.0
1981-82	96.9	110.5	85.8	105.1	91.0	91.9	98.1	116.7	100.0

SOURCE: National Education Association—Research estimates.

[a] Excludes Alaska and Hawaii prior to 1980-81.

TABLE 11.—AVERAGE 1980-81 SALARIES PAID TO FACULTY EMPLOYED ON NINE-MONTH CONTRACTS AND PERCENT OF INCREASE OVER 1979-80 IN PUBLIC INSTITUTIONS OF HIGHER EDUCATION BY TYPE AND BY STATE

State	Public universities		Public other four-year		Public two-year	
	Average salary	Percent of increase	Average salary	Percent of increase	Average salary	Percent of increase
1	2	3	4	5	6	7
Alabama	$23,022	14.9	$20,147	9.0	$19,547	15.9
Alaska	36,402	20.7	32,067	18.3	38,178	24.4
Arizona	27,405	5.5	24,809	11.7	23,392	10.2
Arkansas	23,337	8.9	18,810	7.0	15,854	6.1
California	32,115	11.4	29,113	11.4	28,620	10.7
Colorado	25,553	8.9	22,016	8.3	18,648	11.6
Connecticut	28,217	6.4	23,534	8.3	21,028	9.2
Delaware	25,233	8.6	21,217	8.0	20,755	6.7
District of Columbia	...	...	25,273	2.5	...	...
Florida	25,449	15.3	23,452	14.2	18,250	2.5
Georgia	24,648	10.3	22,493	11.9	18,949	21.4
Hawaii	26,230	7.3	22,074	6.7	21,876	7.3
Idaho	23,379	8.5	20,494	6.9	18,601	7.7
Illinois	25,789	9.0	22,746	8.2	22,531	8.0
Indiana	24,858	11.5	21,424	11.6	15,482	6.5
Iowa	24,045	8.8	21,817	6.5	18,472	8.0
Kansas	23,687	7.4	19,952	6.7	18,021	10.5
Kentucky	24,264	11.7	20,649	8.7	16,426	14.6
Louisiana	24,349	7.6	21,123	11.8	18,270	13.6
Maine	21,437	10.3	20,388	8.4	16,776	4.5
Maryland	24,656	12.1	24,024	11.8	22,478	5.0
Massachusetts	26,909	5.1	22,501	2.4	18,424	0.8
Michigan	27,953	10.1	23,138	8.8	23,902	5.9
Minnesota	27,242	7.3	22,324	7.4	21,544	7.4
Mississippi	21,904	9.1	19,748	10.8	16,793	12.3
Missouri	25,396	8.5	21,727	9.4	20,872	10.0
Montana	21,241	6.0	20,440	5.9	18,625	7.4
Nebraska	24,785	13.0	19,811	7.3	16,216	7.4
Nevada	25,738	5.5	24,749	5.4	19,649	7.6
New Hampshire	22,713	6.9	19,802	15.1	17,119	7.9
New Jersey	27,438	14.7	24,860	10.5	21,952	7.4
New Mexico	24,408	10.1	22,679	10.8	19,119	11.7
New York	27,380	4.9	25,304	3.1	23,751	7.6
North Carolina	26,897	12.9	22,150	14.2	15,417	11.6
North Dakota	21,356	7.7	19,887	7.3	18,764	8.7
Ohio	25,456	10.2	24,140	13.5	19,948	9.9
Oklahoma	23,348	10.4	21,786	12.7	19,245	19.0
Oregon	23,693	7.1	22,300	8.2	20,509	4.8
Pennsylvania	26,046	8.9	25,710	5.6	19,866	6.8
Rhode Island	25,959	8.5	22,932	9.6	20,879	8.7
South Carolina	24,858	10.1	20,606	9.6	16,279	11.4
South Dakota	20,195	10.3	19,379	8.5	15,943	14.7
Tennessee	24,280	6.8	21,774	8.1	17,245	7.0
Texas	24,091	8.2	20,786	6.1	19,621	10.7
Utah	25,857	10.8	22,024	12.2	19,340	15.7
Vermont	22,727	9.5	16,203	-2.1	16,433	8.2
Virginia	25,198	8.1	21,362	9.8	17,906	9.6
Washington	26,473	7.4	23,583	7.0	22,281	8.5
West Virginia	22,015	7.1	19,429	7.0	16,218	9.1
Wisconsin	28,533	8.9	23,564	8.5	21,365	9.0
Wyoming	26,585	8.7	...	...	20,692	13.6
50 STATES AND D.C.	25,578	9.4	23,481	8.5	22,218	8.6

SOURCE: National Education Association. *Average Faculty Salaries in Public Institutions of Higher Education by State, 1980-81.* Research Memo. Washington, D.C.: the Association, 1982.

TABLE 12.—MEAN SCHEDULED MINIMUM AND MAXIMUM SALARIES OF PUBLIC AND NONPUBLIC INSTITUTIONS GRANTING THE FOUR-YEAR BACHELOR'S OR HIGHER DEGREE, 1975-76 TO 1980-81

Position	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	Percent change, 1980-81 over 1979-80
1	2	3	4	5	6	7	8
SCHEDULED MINIMUM SALARIES							
Instructor							
Public	$ 9,722	$10,453	$10,971	$11,420	$12,163	$13,158	8.2
Nonpublic	8,759	9,118	9,724	10,260	10,939	11,855	8.2
Assistant professor							
Public	11,493	12,411	13,060	13,454	14,373	15,417	7.3
Nonpublic	10,183	10,711	11,317	11,988	12,759	13,780	8.0
Associate professor							
Public	14,006	15,076	15,982	16,411	17,518	18,874	7.7
Nonpublic	11,969	12,545	13,339	14,158	15,000	16,355	9.0
Professor							
Public	17,068	18,357	19,444	20,067	21,403	23,082	7.8
Nonpublic	14,192	14,762	15,765	16,559	17,507	19,158	9.4
SCHEDULED MAXIMUM SALARIES							
Instructor							
Public	$13,749	$14,598	$15,344	$16,368	$18,085	19,844	9.7
Nonpublic	11,305	11,747	12,627	13,173	14,058	15,365	9.3
Assistant professor							
Public	16,933	18,053	19,132	20,556	22,560	25,017	10.9
Nonpublic	13,784	14,380	15,401	16,148	17,241	18,850	9.3
Associate professsor							
Public	20,592	21,855	23,159	24,958	27,411	30,363	10.8
Nonpublic	16,031	16,751	17,903	18,735	19,996	21,915	9.6
Professor							
Public	25,387	26,713	28,171	30,714	34,140	37,842	10.8
Nonpublic	19,123	19,897	21,321	22,273	23,778	26,248	10.4

SOURCE: NEA Research. *Salaries Scheduled for Faculty in Higher Education, 1980-81.* Washington, D.C.: the Association, 1982.

TABLE 13.—MEAN SCHEDULED MINIMUM AND MAXIMUM SALARIES, PUBLIC TWO-YEAR COLLEGES, 1975-76 TO 1980-81

(For schedules based on preparation level)

Preparation level, full-time teaching staff	School year						Percent change, 1980-81 over 1979-80
	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	
1	2	3	4	5	6	7	8
Bachelor's degree:							
Minimum	$ 9,527	$10,358	$10,777	$11,533	$12,057	$13,594	12.7
Maximum	14,452	15,712	16,361	17,236	18,294	20,592	12.6
Master's degree:							
Minimum	10,492	11,291	11,771	12,486	13,146	14,817	12.7
Maximum	16,128	17,269	18,160	19,268	20,404	22,918	12.3
Six years (M.A. +30):							
Minimum	11,448	12,285	12,760	13,620	14,353	16,131	12.4
Maximum	17,484	18,725	19,546	20,939	22,001	24,768	12.6
Doctor's degree:							
Minimum	12,754	13,485	14,121	14,828	15,813	17,756	12.3
Maximum	19,329	20,346	21,424	22,540	24,160	27,380	13.3
INDEX: B.A. MINIMUM = 100.0							
Bachelor's degree:							
Minimum	100.0	100.0	100.0	100.0	100.0	100.0	. . .
Maximum	151.7	151.7	151.8	149.5	151.7	151.5	. . .
Master's degree:							
Minimum	110.1	109.0	109.2	108.3	109.0	109.0	. . .
Maximum	169.3	166.7	168.5	167.1	169.2	168.6	. . .
Six years (M.A. +30):							
Minimum	120.2	118.6	118.4	118.1	119.0	118.7	. . .
Maximum	183.5	180.8	181.4	181.6	182.5	182.2	. . .
Doctor's degree:							
Minimum	133.9	130.2	131.0	128.6	131.2	130.6	. . .
Maximum	202.9	196.4	198.8	195.4	200.4	201.4	. . .

SOURCE: NEA Research. *Salaries Scheduled for Faculty in Higher Education, 1980-81*. Washington, D.C.: the Association, 1982.

TABLE 14.—AVERAGE EARNINGS* OF FULL-TIME STATE AND LOCAL GOVERNMENT EMPLOYEES, BY SELECTED FUNCTIONS, 1973 TO 1980

Function	1973	1974	1975	1976	1977	1978	1979	1980	Percent change, 1980 over 1979
1	2	3	4	5	6	7	8	9	10
Total, all functions	$10,164	$10,788	$11,520	$12,252	$12,936	$13,668	$14,724	$16,044	9.0
Education	10,848	11,388	12,144	12,900	13,620	14,412	15,420	16,827	9.1
Local schools	10,680	11,136	11,868	12,588	13,236	14,028	15,012	16,368	9.0
Instructional personnel	11,976	12,336	13,080	13,884	14,652	15,564	16,668	18,156	8.9
Institutions of higher education	11,556	12,420	13,308	14,136	15,168	15,984	17,112	18,720	9.4
Instructional personnel	15,888	17,436	18,384	19,632	20,988	21,996	23,616	26,004	10.1
Functions other than education	9,552	10,236	10,968	11,664	12,324	13,020	14,100	15,353	8.9
Highways	9,168	9,636	10,308	10,992	11,664	12,576	13,548	14,856	9.7
Public welfare	8,376	9,144	9,636	10,464	11,148	11,604	12,492	13,344	6.8
Hospitals	8,100	8,652	9,300	9,876	10,500	11,076	12,036	13,152	9.3
Health	9,912	10,620	11,292	12,108	12,756	13,164	14,220	15,468	8.8
Police protection	11,160	11,988	12,900	13,824	14,904	15,396	16,764	17,796	6.2
Local fire protection	12,000	12,816	14,052	14,760	15,900	16,692	17,904	18,948	5.8
Local parks and recreation	8,626	9,228	9,888	10,428	10,752	11,268	12,468	13,572	8.9
Airport	9,900	10,548	11,952	12,360	13,488	14,268	15,648	17,076	9.1
Correction	10,152	10,968	11,628	12,516	13,116	13,836	14,796	15,948	7.8
Local libraries	7,896	8,376	9,072	9,672	10,260	10,860	11,664	12,540	7.5
Financial administration	8,988	9,804	10,344	11,172	11,826	12,480	13,488	14,532	7.7
Local utilities:									
Water supply	9,468	10,128	10,740	11,556	12,144	12,864	13,992	15,348	9.7
Electric power	11,460	12,192	13,404	14,796	15,360	16,224	17,856	19,944	11.7
Transit	13,392	13,956	15,660	15,924	17,076	18,420	18,948	21,480	13.4
Gas supply	9,180	10,536	10,368	11,568	12,372	13,092	14,112	15,000	6.3
INDEX: LOCAL SCHOOL INSTRUCTIONAL PERSONNEL = 100.0									
Total, all functions	84.9	87.5	88.1	88.2	88.3	87.8	88.3	88.4	
Education	90.6	92.3	92.8	92.9	93.0	92.6	92.5	92.7	
Local schools	89.2	90.3	90.7	90.7	90.3	90.1	90.1	90.2	
Instructional personnel	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Institutions of higher education	96.5	100.7	101.7	101.8	103.5	102.7	102.7	103.1	
Instructional personnel	132.7	141.3	140.6	141.4	143.2	141.3	141.7	143.2	
Functions other than education	79.8	83.0	83.9	84.0	84.1	83.7	84.6	84.6	
Highways	76.6	78.1	78.8	79.2	79.6	80.9	81.3	81.8	
Public welfare	69.9	74.1	73.7	75.4	76.1	74.6	74.9	73.5	
Hospitals	67.6	70.1	71.1	71.1	71.7	71.2	72.2	72.4	
Health	82.8	86.1	86.3	87.2	87.1	84.6	85.3	85.2	
Police protection	93.2	97.2	98.6	99.6	101.7	98.9	100.6	98.0	
Local fire protection	100.2	103.9	107.4	106.3	108.5	107.2	107.4	104.4	
Local parks and recreation	71.9	74.8	75.6	75.1	73.4	72.4	74.8	74.8	
Airports	82.7	85.5	91.3	89.0	92.1	91.7	93.9	94.1	
Correction	84.8	88.9	88.9	90.1	89.5	88.9	88.8	87.8	
Local libraries	65.9	67.9	69.4	69.7	70.0	69.8	70.0	69.1	
Financial administration	75.1	79.5	79.1	80.5	80.7	80.2	80.9	80.0	
Local utilities:									
Water supply	79.1	82.1	82.1	83.2	82.3	82.7	83.9	84.5	
Electric power	95.7	98.8	102.5	106.6	104.8	104.2	107.1	109.8	
Transit	111.8	113.1	119.7	114.7	116.5	118.4	113.7	118.3	
Gas supply	76.7	85.4	79.3	83.3	84.4	84.1	84.7	82.6	

SOURCE: U.S. Department of Commerce, Bureau of the Census, GE Series 1973 to 1980.

*Annual earnings for full-time employees computed from October earnings. Annual earnings are shown here only for greater ease of comparison and should be used only in this manner.

TABLE 15.—AVERAGE SALARIES PAID FULL-TIME EMPLOYEES OF STATE AND LOCAL GOVERNMENTS COMPARED WITH AVERAGE SALARIES PAID TEACHERS, 1970 THROUGH 1981

State	Average salaries of full-time state and local government employees			Average salaries paid teachers					
	1970	1980	Percent increase	1969-70	1979-80	Percent increase	1970-71	1980-81	Percent increase
1	2	3	4	5	6	7	8	9	10
Alabama	$ 6,216	$13,176	112.0	$ 6,817	$13,060	91.6	$ 7,376	$15,205	106.1
Alaska	12,440	26,136	110.1	10,560	26,604	151.9	13,570	29,048	114.1
Arizona	8,760	17,352	98.1	8,715	15,650	79.6	9,281	17,201	85.3
Arkansas	5,628	11,832	110.2	6,277	12,420	97.9	6,525	13,273	103.4
California	10,596	20,292	91.5	10,324	18,020	74.5	11,022	20,729	88.1
Colorado	7,860	16,704	112.5	7,760	16,270	109.7	8,614	13,917	108.0
Connecticut	9,300	16,404	76.4	9,271	16,354	76.4	10,079	17,419	72.8
Delaware	7,860	14,772	87.9	9,015	16,148	79.1	9,725	18,025	85.3
Florida	7,632	14,292	87.3	8,410	14,149	68.2	8,797	15,406	75.1
Georgia	6,420	12,588	96.1	7,278	13,853	90.3	7,494	15,445	106.1
Hawaii	9,504	16,812	76.9	9,440	19,920	111.0	10,285	21,147	105.6
Idaho	6,516	14,244	118.6	6,884	13,610	97.7	7,059	15,109	114.0
Illinois	9,264	17,724	91.3	9,569	17,601	83.9	10,249	19,425	89.5
Indiana	7,608	14,316	88.2	8,832	15,599	76.6	9,427	17,255	83.0
Iowa	7,560	15,180	100.8	8,398	15,150	80.4	9,103	16,131	77.2
Kansas	6,960	13,872	99.3	7,620	13,690	79.7	8,034	15,250	89.8
Kentucky	6,852	13,632	98.9	6,939	14,520	109.3	7,197	15,750	118.8
Louisiana	6,612	12,876	94.7	7,028	13,770	95.9	8,306	16,557	99.3
Maine	6,588	13,764	108.9	7,572	13,071	72.6	8,127	13,994	72.2
Maryland	8,724	16,632	90.6	9,383	17,588	87.4	10,091	18,998	88.3
Massachusetts	8,592	16,644	93.7	8,770	17,500	99.5	9,613	18,703	94.6
Michigan	9,852	19,260	95.5	9,823	19,285	96.0	10,962	21,213	93.5
Minnesota	8,976	17,376	93.6	8,658	15,912	83.8	9,778	17,777	81.8
Mississippi	5,436	11,388	109.5	5,798	11,851	104.4	6,004	13,017	116.8
Missouri	7,356	13,740	86.8	7,844	13,682	74.4	8,185	15,421	88.4
Montana	7,260	14,892	105.1	7,606	14,537	91.1	8,173	15,954	95.2
Nebraska	7,044	14,292	102.9	7,354	13,519	83.8	8,120	14,882	83.3
Nevada	8,892	17,148	92.8	9,248	16,296	76.2	9,551	17,700	85.3
New Hampshire	7,548	13,596	80.1	7,789	12,550	61.1	8,311	13,412	61.4
New Jersey	9,012	16,896	87.5	9,150	17,159	87.5	10,025	18,245	82.0
New Mexico	7,068	14,280	102.0	7,796	14,887	91.0	8,112	16,812	107.2
New York	9,708	17,748	82.8	10,390	19,800	90.6	11,034	21,326	93.3
North Carolina	7,164	13,812	92.8	7,494	14,117	88.4	7,772	15,858	104.0
North Dakota	7,140	15,768	120.8	6,696	13,305	98.7	7,257	13,865	91.1
Ohio	7,908	15,648	97.9	8,300	15,300	84.3	8,676	16,904	94.8
Oklahoma	6,600	13,008	97.1	6,882	13,107	90.5	7,657	15,182	98.3
Oregon	8,400	16,812	100.1	8,814	16,266	84.5	9,021	18,047	100.1
Pennsylvania	8,220	16,140	96.4	8,858	16,520	86.5	9,186	17,890	94.8
Rhode Island	8,292	16,692	101.3	8,776	18,001	105.1	9,301	20,088	116.0
South Carolina	6,216	12,900	107.5	6,883	13,063	89.8	6,950	18,353	106.5
South Dakota	6,624	12,966	95.7	6,403	12,348	92.8	7,392	13,674	85.0
Tennessee	6,312	13,308	110.8	7,050	13,971	98.2	7,550	15,118	100.2
Texas	7,044	14,316	103.2	7,277	14,132	94.2	8,147	15,728	93.1
Utah	7,608	15,852	108.4	7,643	14,909	95.1	8,048	16,864	109.5
Vermont	7,680	13,776	79.4	7,960	12,515	57.2	8,265	13,006	57.4
Virginia	7,560	14,484	91.6	8,070	14,079	74.5	8,582	15,535	81.0
Washington	9,072	18,540	104.4	9,237	18,820	103.7	9,900	21,268	114.8
West Virginia	6,552	12,972	98.0	7,650	13,710	79.2	7,626	14,948	96.0
Wisconsin	8,892	17,364	95.3	9,000	16,002	77.8	9,640	17,607	82.6
Wyoming	7,092	16,104	127.1	8,271	16,030	93.8	8,687	18,718	115.5
UNITED STATES	8,364	16,044	91.8	8,635	15,964	84.9	9,269	17,602	89.9

SOURCE: U.S. Department of Commerce, Bureau of the Census, *Public Employment in 1970* and *Public Employment in 1980*. Salaries for teachers are from NEA Research estimates.

NOTE: Salaries of state and local government employees are based on October earnings; teachers' salaries are for school years 1969-70, 1970-71, 1979-80, and 1980-81.

TABLE 16.—AVERAGE ANNUAL EARNINGS OF FULL-TIME CITY EMPLOYEES BY FUNCTION AND AVERAGE SALARIES OF TEACHERS, 1973 TO 1980[a]

Function	Calendar years								Percent change, 1980 over 1979
	1973	1974	1975[a]	1976[a]	1977[a]	1978[a]	1979[a]	1980[a]	
1	2	3	4	5	6	7	8	9	10
Average salary paid teachers[b] (calendar-year basis)	$10,778	$11,690	$12,653	$13,342	$14,247	$14,787	$15,662	$16,511	5.4
City employees:									
All functions	10,584	11,232	11,964	12,756	13,392	14,148	15,144	16,368	8.1
Highways	9,012	9,528	10,140	10,950	11,419	12,095	13,110	13,980	6.6
Public welfare	8,914	9,996	10,110	11,450	11,872	11,989	12,661	14,004	10.6
Hospitals	8,556	9,132	10,177	10,623	11,061	11,588	12,527	13,116	4.7
Health	9,499	10,248	11,110	12,308	12,843	13,370	13,845	15,960	15.3
Police protection	11,508	12,180	13,196	14,092	15,345	15,732	16,884	17,748	5.1
Fire protection	12,060	12,864	14,156	14,800	15,978	16,766	16,652	19,008	14.1
Sewerage	9,144	9,684	10,212	10,962	11,491	12,436	13,469	14,940	10.9
Sanitation (other than sewerage)	8,808	9,324	9,845	10,397	10,500	11,902	11,686	13,644	16.8
Parks and recreation	8,628	9,204	9,648	10,377	10,746	11,062	12,213	13,452	10.1
Housing and urban renewal	10,413	12,756	12,125	13,336	13,196	13,683	14,769	15,576	5.5
Airports	9,944	10,380	11,353	12,010	12,602	13,302	14,668	16,188	10.4
Water transport and terminals	12,397	12,888	14,249	15,847	15,889	17,243	19,075	19,968	4.7
Correction	11,027	12,468	13,208	14,481	14,988	15,456	17,333	18,192	5.0
Libraries	8,232	8,712	9,382	10,090	10,820	11,460	12,248	13,152	7.4
Financial administration	9,192	9,852	10,559	11,209	11,926	12,666	13,593	14,712	8.2
General control	10,392	10,956	11,533	12,800	12,985	13,513	14,735	16,020	8.7
Local utilities	10,800	11,628	12,356	13,164	13,581	14,618	15,514	17,592	13.4
Water supply	9,252	9,864	10,511	11,315	11,903	12,662	13,895	15,048	8.3
Electric power	11,130	11,772	12,715	13,806	14,489	15,099	17,029	18,396	8.0
Transit	13,274	14,616	15,364	16,028	16,117	18,113	17,149	21,036	22.7
Gas supply	8,426	9,732	10,297	11,066	11,545	12,038	12,986	13,620	4.9
All other functions	9,379	10,356	10,508	11,180	11,778	12,475	13,067	14,376	10.0
INDEX: SALARY PAID TEACHERS = 100.0									
Average salary paid teachers (calendar-year basis)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
City employees:									
All functions	98.2	96.1	94.6	95.6	94.0	95.7	96.7	99.1	
Highways	83.6	81.5	80.1	82.1	80.2	81.8	83.7	84.7	
Public welfare	82.7	85.5	79.9	85.8	83.3	81.1	80.8	84.8	
Hospitals	79.4	78.1	80.4	79.6	77.6	78.4	80.0	79.4	
Health	88.1	87.7	87.8	92.3	90.1	90.4	88.4	96.7	
Police protection	106.7	104.2	104.3	105.6	107.7	106.4	107.8	107.5	
Fire protection	111.9	110.4	111.9	110.9	112.1	113.4	106.3	115.1	
Sewerage	84.8	82.8	80.7	82.2	80.7	84.1	86.0	90.5	
Sanitation (other than sewerage)	81.7	79.8	77.8	77.9	73.7	80.5	74.6	82.6	
Parks and recreation	80.1	78.7	76.3	77.8	75.4	74.8	78.0	81.5	
Housing and urban renewal	96.6	109.1	95.8	100.0	92.6	92.5	94.3	94.3	
Airports	92.3	88.8	89.7	90.0	88.5	90.0	93.7	98.0	
Water transport and terminals	115.0	110.2	112.6	118.8	111.5	116.6	121.8	120.9	
Correction	102.3	106.7	104.4	108.5	105.2	104.5	110.7	110.2	
Libraries	76.4	74.5	74.1	75.6	75.8	77.5	78.2	79.7	
Financial administration	85.3	84.3	83.5	84.0	83.7	85.7	86.8	89.1	
General control	96.4	93.7	91.1	95.9	91.1	91.4	94.1	97.0	
Local utilities	100.2	99.5	97.7	98.7	95.3	98.9	99.1	106.5	
Water supply	85.8	84.4	83.1	84.8	83.5	85.6	88.7	91.1	
Electric power	103.3	100.7	100.5	103.5	101.7	102.1	108.7	111.4	
Transit	123.2	125.0	121.4	120.1	113.1	122.5	109.5	127.4	
Gas supply	78.2	83.3	81.4	82.9	81.0	81.4	82.9	82.5	
All other functions	87.0	88.6	83.0	83.8	82.7	84.4	83.4	87.1	

SOURCE: U.S. Department of Commerce, Bureau of the Census, *City Employment*, G.E. Series 1973 to 1980.

NOTE: Salaries for classroom teachers from NEA Research.

[a] Salaries computed by NEA Research from payroll figures and the number of employees in October 1975 through October 1980.

[b] Average salaries paid teachers have been revised by NEA Research.

TABLE 17.—U.S. CLASSIFIED CIVIL SERVICE SCHEDULE OF ANNUAL RATES, BY GRADES, EFFECTIVE OCTOBER 1981

General schedule	Steps within grades[a]									
	1	2	3	4	5	6	7	8	9	10
GS— 1	$ 8,342	$ 8,620	$ 8,898	$ 9,175	$ 9,453	$ 9,615	$ 9,890	$10,165	$10,178	$10,439
GS— 2	9,381	9,603	9,913	10,178	10,292	10,595	10,898	11,201	11,504	11,807
GS— 3	10,235	10,576	10,917	11,258	11,599	11,940	12,281	12,622	12,963	13,304
GS— 4	11,490	11,873	12,256	12,639	13,022	13,405	13,788	14,171	14,554	14,937
GS— 5	12,854	13,282	13,710	14,138	14,566	14,994	15,422	15,850	16,278	16,706
GS— 6	14,328	14,806	15,284	15,762	16,240	16,718	17,196	17,674	18,152	18,630
GS— 7	15,922	16,453	16,934	17,515	18,046	18,577	19,108	19,639	20,170	20,701
GS— 8	17,634	18,222	18,810	19,398	19,986	20,574	21,162	21,750	22,338	22,926
GS— 9	19,477	20,126	20,775	21,424	22,073	22,722	23,371	24,020	24,669	25,318
GS—10	21,449	22,164	22,879	23,594	24,309	25,024	25,739	26,454	27,169	27,884
GS—11	23,566	24,352	25,138	25,924	26,710	27,496	28,282	29,068	29,854	30,640
GS—12	28,245	29,187	30,129	31,071	32,013	32,955	33,897	34,839	35,781	36,723
GS—13	33,586	34,706	35,826	36,946	38,066	39,186	40,306	41,426	42,546	43,666
GS—14	39,689	41,012	42,335	43,658	44,981	46,304	47,627	48,950	50,273[b]	51,596[b]
GS—15	46,685	48,241	49,797	51,353[b]	52,909[b]	54,465[b]	56,021[b]	57,577[b]	59,183[b]	60,689[b]
GS—16	54,755[b]	56,580[b]	58,405[b]	60,230[b]	62,055[b]	63,880[b]	65,705[b]	67,530[b]	69,355[b]	
GS—17	64,142[b]	66,280[b]	68,418[b]	70,556[b]	72,694[b]					
GS—18	75,177[b]									

SOURCE: U.S. Civil Service Commission. *Classification Act of 1949, Amended.*

[a] Annual increases are granted through step 4. Intervals of two years are required for steps 5, 6, and 7; three years, for steps 8, 9, and 10; or 17 years to reach maximum of grade.

[b] Limited at present to $50,112.50.

TABLE 18.—MINIMUM[a] SALARIES OF FEDERAL CLASSIFIED EMPLOYEES BY GRADE, 1971 TO 1981

Grade	January 1971	January 1972	January 1973	October 1973	October 1974	October 1975	October 1976	October 1977	October 1978	October 1979	October 1980	October 1981
1	2	3	4	5	6	7	8	9	10	11	12	13
GS— 1 ...	$ 4,326	$ 4,564	$ 4,798	$ 5,017	$ 5,294	$ 5,559	$ 5,810	$ 6,219	$ 6,561	$ 7,210	$ 7,960	$ 8,342
GS— 2 ...	4,897	5,166	5,432	5,682	5,996	6,295	6,572	7,035	7,422	8,128	8,951	9,381
GS— 3 ...	5,524	5,828	6,128	6,408	6,764	7,102	7,408	7,930	8,366	8,952	9,766	10,235
GS— 4 ...	6,202	6,544	6,882	7,198	7,596	7,976	8,316	8,902	9,391	10,049	10,963	11,490
GS— 5 ...	6,938	7,319	7,694	8,055	8.500	8,925	9,303	9,959	10,507	11,243	12,266	12,854
GS— 6 ...	7,727	8,153	8,572	8,977	9,473	9,946	10,370	11,101	11,712	12,531	13,672	14,328
GS— 7 ...	8,582	9,053	9,520	9,969	10,520	11,046	11,523	12,336	13,014	13,925	15,193	15,922
GS— 8 ...	9,493	10,013	10,528	11,029	11,640	12,222	12,763	13,662	14,414	15,423	16,826	17,634
GS— 9 ...	10,470	11,046	11,614	12,167	12,841	13,482	14,097	15,090	15,920	17,035	18,585	19,477
GS—10 ...	11,517	12,151	12,775	13,379	14,117	14,824	15,524	16,618	17,532	18,760	20,467	21,449
GS—11 ...	12,615	13,309	13,996	14,671	15,481	16,225	17,056	18,258	19,263	20,611	22,486	23,566
GS—12 ...	15,040	15,866	16,682	17,497	18,463	19,386	20,442	21,883	23,087	24,703	26,951	28,245
GS—13 ...	17,761	18,737	19,700	20,677	21,816	22,906	24,308	26,022	27,453	29,375	32,048	33,586
GS—14 ...	20,815	21,960	23,088	24,247	25,581	26,861	28,725	30,750	32,442	34,713	37,871	39,689
GS—15 ...	24,251	25,583	26,898	28,263	29,818	31,309	33,789	36,171	38,160	40,832	44,547	46,685
GS—16 ...	28,129	29,678	31,203	32,806	34,607	36,338	39,629[d]	42,423	44,756	47,889	52,247[e]	54,755[e]
GS—17 ...	32,546	34,335	36,103[b]	37,976[b]	40,062[b]	42,066[b]	46,423[d]	49,696[d]	52,429[d]	56,099[e]	61,204[e]	64,142[e]
GS—18 ...	37,624[b]	39,693[b]	41,734[b]	43,926[b]	46,336[b]	48,654[c]	54,410[d]	58,245[d]	61,449[d]	65,750[e]	71,734[e]	75,117[e]

SOURCE: U.S. Civil Service Commission. *Classification Act of 1949, Amended.*

[a] Minimum salaries are those at the first step in each grade.

[b] Limited to $36,000.

[c] Limited to $37,800.

[d] Limited to $39,600; as of February 1977 limited to $47,500.

[e] Limited to $50,112.50.

TABLE 19.—AVERAGE ANNUAL SALARIES FOR SELECTED PROFESSIONAL, ADMINISTRATIVE, AND TECHNICAL OCCUPATIONS, 1971 TO 1981

Year	Accountants					Auditors				Chief accountants			
	I	II	III	IV	V	I	II	III	IV	I	II	III	IV
1971.....	$ 8,975	$10,213	$11,383	$13,654	$16,626	$ 9,401	$10,643	$12,227	$15,136	$14,449	$17,191	$20,897	$24,597
1972.....	9,067	10,655	11,879	14,259	17,368	9,628	10,924	12,881	15,823	15,348	17,419	21,198	26,521
1973.....	9,417	10,934	12,472	15,068	18,400	10,310	11,360	13,568	16,669	16,220	18,634	22,687	26,735
1974.....	9,739	11,549	13,284	16,051	19,560	10,352	12,024	14,341	17,491	17,601	20,072	23,805	29,021
1975.....	10,891	12,785	14,458	17,618	21,664	11,296	12,587	15,334	18,800	19,289	21,323	26,226	32,094
1976.....	11,453	13,394	15,428	18,738	23,402	11,769	13,427	16,059	19,952	20,460	22,753	28,136	33,916
1977.....	12,155	14,624	16,545	20,367	25,042	12,570	14,503	17,108	21,526	22,558	25,320	31,324	36,789
1978.....	12,785	15,617	18,115	22,036	27,301	13,243	15,674	18,756	23,093	23,561	27,769	34,160	39,895
1979.....	13,790	16,706	19,468	24,045	29,744	13,482	16,493	20,303	24,700	25,457	29,604	36,561	45,274
1980.....	15,149	18,427	21,299	26,158	31,937	14,858	18,002	22,026	26,782	28,347	32,662	41,092	50,073
1981.....	16,529	20,153	23,545	28,819	35,141	16,369	19,814	24,401	29,475	31,576	35,560	44,494	56,016

Year	Buyers				Attorneys					
	I	II	III	IV	I	II	III	IV	V	VI
1971.....	$ 8,998	$10,355	$12,585	$14,785	$12,932	$14,345	$17,500	$22,178	$26,277	$33,355
1972.....	9,380	10,992	13,117	15,555	13,498	14,640	18,392	23,448	27,528	34,828
1973.....	9,603	11,431	13,835	16,423	13,478	15,555	19,565	24,693	30,035	37,018
1974.....	10,073	12,141	14,659	17,421	14,223	16,357	21,082	25,956	31,999	38,180
1975.....	10,861	13,337	15,995	18,983	15,220	17,757	22,558	28,159	34,040	41,046
1976.....	11,732	14,200	17,122	20,075	15,413	18,667	24,205	29,828	36,308	43,747
1977.....	12,346	15,099	18,021	21,907	16,033	19,938	25,460	30,973	38,828	46,509
1978.....	12,887	16,195	19,590	23,853	17,693	21,713	27,738	33,547	42,318	51,798
1979.....	13,859	17,107	21,200	25,508	18,740	23,468	29,664	37,807	45,599	56,964
1980.....	14,861	18,467	22,904	27,777	20,911	25,549	33,034	40,864	49,864	60,641
1981.....	16,202	20,266	25,196	30,583	22,477	28,059	36,373	44,853	54,792	66,958

Year	Job analysts				Directors of personnel			
	I	II	III	IV	I	II	III	IV
1971.....	$ 9,232	$10,397	$12,016	$14,103	$13,730	$15,920	$19,823	$23,872
1972.....	9,441	10,828	12,526	15,057	14,313	16,401	20,153	24,738
1973.....	9,362	11,010	13,061	16,211	14,748	17,753	21,984	26,611
1974.....	9,783	11,488	13,921	17,263	15,790	18,815	24,078	28,140
1975.....	ND	12,543	14,949	18,459	16,809	19,938	25,033	31,841
1976.....	ND	13,559	16,091	19,142	18,193	21,720	26,845	33,060
1977.....	ND	13,572	17,016	20,908	19,062	23,755	29,188	37,785
1978.....	ND	14,040	18,354	22,616	20,833	26,245	32,201	40,835
1979.....	ND	15,333	20,106	24,231	22,996	27,981	34,285	43,933
1980.....	16,056	16,795	21,484	26,315	24,719	31,832	37,816	49,730
1981.....	16,940	18,296	22,799	28,718	27,848	35,193	42,890	53,914

Year	Chemists							
	I	II	III	IV	V	VI	VII	VIII
1971.....	$ 9,688	$10,776	$12,459	$15,036	$17,928	$20,514	$24,520	$29,714
1972.....	9,838	11,092	12,901	15,670	18,581	21,277	25,888	30,827
1973.....	10,028	11,534	13,217	16,140	19,312	22,602	26,899	32,099
1974.....	10,660	12,408	14,298	17,283	20,702	24,079	28,203	34,475
1975.....	11,801	13,288	15,572	19,204	22,700	26,729	31,362	37,855
1976.....	12,473	14,077	16,589	20,429	24,099	28,868	33,559	40,723
1977.....	12,872	14,439	17,600	21,674	26,214	30,526	36,329	44,642
1978.....	13,492	16,337	19,453	23,532	28,494	33,110	38,927	47,156
1979.....	14,455	17,365	21,025	25,459	30,828	35,232	42,016	48,961
1980.....	16,200	19,571	23,373	27,681	33,793	38,137	45,883	ND
1981.....	18,092	21,089	25,438	30,801	36,663	41,911	48,845	ND

Year	Engineers							
	I	II	III	IV	V	VI	VII	VIII
1971.....	$10,677	$11,694	$13,117	$15,535	$17,979	$20,547	$23,508	$26,736
1972.....	10,921	12,071	13,682	16,159	18,628	21,402	24,367	27,885
1973.....	11,203	12,591	14,326	17,030	19,614	22,586	25,681	29,499
1974.....	11,901	13,171	15,160	17,929	20,654	23,827	26,960	31,469
1975.....	12,917	14,197	16,330	19,443	22,427	26,109	29,101	34,114
1976.....	13,918	15,184	17,482	20,749	24,082	27,737	30,850	36,236
1977.....	14,613	16,221	18,696	22,072	25,620	29,376	32,999	38,063
1978.....	15,928	17,567	20,194	23,972	28,001	32,264	36,520	42,104
1979.....	17,345	19,026	21,931	25,989	30,472	34,801	39,340	45,221
1980.....	19,411	21,285	24,160	28,486	33,141	38,259	43,242	50,079
1981.....	21,712	23,663	26,746	31,352	36,725	42,622	49,287	56,828

(Continued)

TABLE 19.—AVERAGE ANNUAL SALARIES FOR SELECTED PROFESSIONAL, ADMINISTRATIVE, AND TECHNICAL OCCUPATIONS, 1971 TO 1981 (Continued)

Year	Engineering technicians					Drafters		
	I	II	III	IV	V	III	IV	V
1971.....	$ 6,854	$ 7,963	$ 9,148	$10,389	$11,815	$ 7,221	$ 8,812	$10,801
1972.....	7,208	8,207	9,507	10,788	12,259	7,550	9,201	11,492
1973.....	7,500	8,613	10,005	11,257	12,799	7,988	9,832	12,173
1974.....	7,975	9,122	10,491	11,974	13,654	8,507	10,443	13,070
1975.....	8,625	9,720	11,160	13,020	14,640	8,988	11,217	14,289
1976.....	9,064	10,841	12,258	14,178	16,086	9,763	12,029	15,288
1977.....	9,727	11,355	13,151	15,221	17,237	10,354	12,883	15,828
1978.....	10,461	11,918	14,062	16,302	18,703	11,247	13,709	16,902
1979.....	10,825	12,690	15,094	17,624	20,222	12,835	15,307	19,269
1980.....	12,228	14,212	16,756	19,547	22,323	14,308	17,215	21,690
1981.....	13,203	15,494	17,790	21,240	24,276	15,246	18,903	23,619

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *National Survey of Professional, Administrative, Technical, and Clerical Pay*, various issues.

NOTE: Within each occupation, the work levels surveyed, usually designated by Roman numerals with class I assigned to the lowest level, are defined in terms of duties and responsibilities. Specific job factors determining classification, however, varied from occupation to occupation.

ND=No data available.

TABLE 20.—AVERAGE STARTING SALARIES OF PUBLIC SCHOOL TEACHERS COMPARED WITH SALARIES IN PRIVATE INDUSTRY, 1973-74 THROUGH 1981-82

Position or subject field	Average starting salary[a]									Percent change, 1981-82 over 1980-81
	1973-74[b]	1974-75[b]	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	
1	2	3	4	5	6	7	8	9	10	11
Minimum mean salary for teachers with a bachelor's degree.........	$ 7,720	$ 8,233	$ 8,768	$ 9,200	$ 9,739	$10,138	$10,764	$11,758	. . .	. . .
College graduates with a bachelor's degree[a]										
Engineering	11,220	11,940	13,236	13,980	15,606	17,172	18,528	20,136	$22,368	11.1
Accounting..............	10,632	11,472	11,712	12,396	13,056	13,992	14,784	15,720	16,980	8.0
Sales—marketing	9,660	10,080	11,220	11,316	12,084	12,420	15,072	15,936	17,220	8.1
Business administration ...	8,796	9,324	9,948	10,224	11,556	12,516	13,440	14,100	16,200	14.9
Liberal arts	8,808	8,940	9,696	10,020	11,004	11,952	12,696	13,296	15,444	16.2
Chemistry...............	10,308	11,160	11,640	12,384	14,088	15,036	16,200	17,124	19,536	14.1
Mathematics—statistics ...	10,020	10,440	11,004	11,928	12,756	13,872	16,692	17,604	18,600	5.7
Economics—finance	9,624	10,104	10,404	10,644	11,424	12,408	13,740	14,472	16,884	16.7
Computer sciences	ND	ND	ND	ND	13,188	14,400	16,500	17,712	20,364	15.0
Other fields	9,696	10,368	10,956	11,820	13,476	13,560	16,224	17,544	20,028	14.2
					INDEX: 1973-74 = 100.0[c]					
Minimum mean salary for teachers with a bachelor's degree.........	100.0	106.6	113.6	119.2	126.2	131.3	139.4	152.3	. . .	
College graduates with a bachelor's degree[a]										
Engineering	100.0	106.4	118.0	124.6	139.1	153.0	165.1	179.5	199.4	
Accounting..............	100.0	107.9	110.2	116.6	122.8	131.6	139.1	147.9	159.7	
Sales—marketing	100.0	104.3	116.1	117.1	125.1	128.6	156.0	165.0	178.3	
Business administration ...	100.0	106.0	113.1	116.2	131.4	142.3	152.8	160.3	184.2	
Liberal arts	100.0	101.5	110.1	113.8	124.9	135.7	144.1	151.0	175.3	
Chemistry...............	100.0	108.3	112.9	120.1	136.7	145.9	157.2	166.1	189.5	
Mathematics—statistics ...	100.0	104.2	109.8	119.0	127.3	138.4	166.6	175.7	185.6	
Economics—finance	100.0	105.0	108.1	110.6	118.7	128.9	142.8	150.4	175.4	
Computer sciences	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Other fields	100.0	106.9	113.0	121.9	139.0	139.9	167.3	180.9	206.6	

NOTE: Salaries for classroom teachers from NEA Research.

[a] From annual reports for Frank S. Endicott, Director of Placement Emeritus, Northwestern University. Salaries are based on offers made to graduates by approximately 200 companies located throughout the United States. Salaries are based on offers made in November to students who will graduate in June.

[b] Data for male graduates only.

[c] Computed by NEA Research from data presented in the Endicott reports.

ND = No data available.

TABLE 21.—ESTIMATED AVERAGE ANNUAL STARTING SALARIES PAID TO GRADUATES WITH A MASTER'S DEGREE, 1973-74 TO 1981-82

Field	Annual average starting salary[a]									Percent change, 1981-82 over 1980-81
	1973-74[b]	1974-75[b]	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	
1	2	3	4	5	6	7	8	9	10	11
Minimum mean salary for teachers with a master's degree	$ 8,586	$ 9,159	$ 9,797	$10,274	$10,829	$11,322	$11,968	$13,063	. . .	. . .
Engineering	13,188	13,728	15,168	16,236	17,484	18,444	21,216	23,136	$25,128	8.6
Other technical fields	12,744	13,104	14,292	14,868	16,956	17,268	19,320	20,748	23,580	13.6
M.B.A. with technical B.S.	13,872	14,700	15,720	16,656	17,748	18,408	20,904	22,632	26,424	16.8
M.B.A. with nontechnical B.A.	12,960	14,280	15,372	15,780	16,872	17,220	20,016	21,672	22,680	4.7
Accounting	13,116	14,652	14,424	14,688	15,408	16,356	17,544	18,420	20,472	11.1
Other fields	12,588	13,356	14,176	14,604	15,492	16,092	20,112	21,360	21,252	-0.5
					INDEX: 1973-74 = 100.0[c]					
Minimum mean salary for teachers with a master's degree	100.0	106.7	114.1	119.7	126.1	131.9	139.4	152.1	. . .	
Engineering	100.0	104.1	115.0	123.1	132.6	139.9	160.9	175.4	190.5	
Other technical fields	100.0	102.8	112.1	116.7	133.1	135.5	151.6	162.8	185.0	
M.B.A. with technical B.S.	100.0	106.0	113.3	120.1	127.9	132.7	150.7	163.1	190.5	
M.B.A. with nontechnical B.A.	100.0	110.2	118.6	121.8	130.2	132.9	154.4	167.2	175.0	
Accounting	100.0	111.7	110.0	112.0	117.5	124.7	133.8	140.4	156.1	
Other fields	100.0	106.1	112.6	116.0	123.1	127.8	159.8	169.7	168.8	

NOTE: Salaries for classroom teachers from NEA Research.

[a] From annual reports of Frank S. Endicott, Director of Placement Emeritus, Northwestern University. Salaries are based on offers made to graduates by approximately 200 companies located throughout the United States. Salaries are based on offers made in November to students who will graduate in June.

[b] Data for male graduates only.

[c] Computed by NEA Research from data presented in the Endicott reports.

TABLE 22.—AVERAGE ANNUAL BEGINNING SALARY OFFERS[a] TO BACHELOR'S DEGREE CANDIDATES, 1972-73 TO 1981-82, BY CURRICULUM, FOR SELECTED TYPES OF EMPLOYERS IN BUSINESS AND INDUSTRY

Curriculum field 1	1972-73[b] 2	1973-74 3	1974-75 4	1975-76 5	1976-77 6	1977-78 7	1978-79 8	1979-80 9	1980-81 10	1981-82 11	Percent change, 1981-82 over 1980-81 12
Minimum mean salary for teachers with a bachelor's degree	$ 7,357	$ 7,720	$ 8,233	$ 8,768	$ 9,200	$ 9,739	$10,138	$10,764	$11,758	. .	. . .
Accounting	10,644	11,100	11,772	12,216	12,744	13,488	14,472	15,516	16,956	18,470	8.6
Business—general (including management)	9,084	9,636	10,116	10,464	11,124	11,916	13,224	14,616	15,948	16,560	3.8
Marketing and distribution	8,880	9,288	9,612	10,080	10,752	11,520	12,480	13,740	15,300	15,816	3.4
Humanities	8,616	8,292	8,676	9,300	9,720	10,452	11,796	12,888	13,176	13,896	5.5
Social sciences	ND	8,844	9,240	9,840	10,356	10,716	11,664	12,864	12,756	14,112	10.6
Engineering											
Aeronautical	11,040	11,532	12,888	13,836	14,712	16,248	18,060	19,776	21,360	22,104	3.7
Chemical	11,544	12,504	14,352	15,348	16,668	18,156	19,704	21,612	24,276	26,832	10.5
Civil	10,896	11,604	12,768	13,296	14,220	15,456	16,824	18,648	20,952	22,560	7.7
Electrical	11,172	11,832	12,972	13,860	14,940	16,404	18,240	20,280	22,104	24,000	8.6
Industrial	10,836	11,748	12,960	13,668	15,084	16,692	17,880	19,860	21,804	24,108	10.6
Mechanical	11,124	12,012	13,464	14,364	15,432	16,848	18,432	20,436	22,584	24,708	9.4
Metallurgical	ND	ND	13,572	14,544	15,780	17,016	18,840	20,712	22,704	24,372	7.3
Petroleum	ND	ND	15,456	16,776	18,144	19,836	21,516	23,844	26,244	29,856	13.8
Engineering technology	ND	11,208	12,144	12,996	14,124	15,468	17,196	19,020	21,204	22,152	4.5
Agricultural sciences	ND	9,420	9,780	10,224	11,088	11,580	12,552	14,304	15,000	15,432	2.9
Biological sciences	ND	8,640	9,264	9,720	10,584	12,432	12,204	13,908	15,372	14,868	-3.3
Chemistry	10,116	10,608	11,472	12,336	13,224	14,292	15,984	17,508	18,864	21,216	12.5
Computer sciences	ND	10,980	11,700	12,456	13,476	15,192	16,812	18,696	19,968	21,420	7.3
Health professions	ND	8,796	9,672	9,996	10,728	11,388	13,860	13,860	17,556	15,300	-12.9
Mathematics	9,028	10,488	10,980	11,832	12,876	14,220	15,888	17,700	18,888	20,316	7.6
Other physical and earth sciences	ND	10,740	11,988	12,600	12,816	14,868	16,416	18,516	21,912	23,412	6.8
INDEX: TEACHERS WITH A BACHELOR'S DEGREE = 100.0[c]											
Minimum mean salary for teachers with a bachelor's degree	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
Accounting	144.7	143.8	143.0	139.3	138.4	138.5	142.8	144.1	144.2		
Business—general (including management)	123.5	124.8	122.9	119.3	120.9	122.4	130.4	135.8	135.6		
Marketing and distribution	120.7	119.5	116.7	115.0	116.9	118.3	123.1	127.6	130.1		
Humanities	117.1	107.4	105.4	106.1	105.7	107.3	116.4	119.7	112.1		
Social sciences	ND	114.6	112.2	112.2	112.6	110.0	115.1	119.5	108.5		
Engineering											
Aeronautical	150.1	149.4	156.5	157.8	159.9	166.8	178.1	183.7	181.7		
Chemical	156.9	162.0	174.3	175.2	181.2	186.4	194.4	200.8	206.5		
Civil	148.1	150.3	155.1	151.6	154.6	158.7	165.9	173.2	178.2		
Electrical	161.9	153.3	157.6	158.1	162.4	168.4	179.9	188.4	188.0		
Industrial	147.3	152.2	157.4	155.9	164.0	171.4	176.4	184.5	185.4		
Mechanical	151.2	155.6	163.5	163.8	167.7	173.0	181.8	189.9	192.1		
Metallurgical	ND	ND	164.8	165.9	171.5	174.7	185.8	192.4	193.1		
Petroleum	ND	ND	187.7	191.3	197.2	203.7	212.2	221.5	223.2		
Engineering technology	ND	145.2	147.5	148.2	153.5	158.8	169.6	176.7	180.3		
Agricultural sciences	ND	122.0	118.8	116.6	120.5	118.9	123.8	132.9	127.6		
Biological sciences	ND	111.9	112.5	110.9	115.0	127.7	120.4	129.2	130.7		
Chemistry	137.5	137.4	139.3	140.7	143.8	146.8	157.7	162.7	160.4		
Computer sciences	ND	142.2	142.1	142.1	146.5	156.0	165.8	173.7	169.8		
Health professions	ND	113.9	117.5	114.0	116.6	116.9	136.7	128.8	149.3		
Mathematics	122.7	135.9	133.4	134.9	140.0	146.0	156.7	164.4	160.6		
Other physical and earth sciences	ND	139.1	145.6	143.0	139.3	152.7	161.9	172.0	186.4		

SOURCE: College Placement Council. *Salary Survey, A Study of Beginning Offers*. Bethlehem, Pa.: the Council, various reports 1973 to 1981.

NOTE: Salaries for classroom teachers from NEA Research.

[a] Monthly amounts converted to annual salaries by NEA Research. No allowance made for possible increases during first year of employment.

[b] 1972-73 includes data for male graduates only.

[c] Computed by NEA Research from data presented by the College Placement Council.

ND = No data available.

TABLE 23.—AVERAGE ANNUAL BEGINNING SALARY OFFERS TO INEXPERIENCED[a] MASTER'S DEGREE CANDIDATES, 1972-73 TO 1981-82, BY CURRICULUM, FOR EMPLOYERS IN BUSINESS AND INDUSTRY[b]

Curriculum field	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	Percent change, 1981-82 over 1980-81
1	2	3	4	5	6	7	8	9	10	11	12
Minimum mean salary for teachers with a master's degree	$ 8,176	$ 8,586	$ 9,159	$ 9,797	$10,274	$10,829	$11,322	$11,968	$13,063	...	...
Business administration, industrial management or commerce											
After nontechnical undergraduate degree	13,308	14,172	15,000	15,876	16,920	17,976	19,332	21,540	22,008	$21,912	-0.4
After technical undergraduate degree	14,100	14,820	15,888	16,620	18,036	19,428	20,976	23,652	24,432	24,324	-0.4
Humanities and social science											
Humanities	ND	10,260	11,172	11,556	12,048	12,096	13,584	15,708	16,548	16,116	-2.6
Social sciences	ND	11,004	11,436	12,108	12,432	13,224	15,048	15,576	16,680	20,640	23.7
Engineering											
Chemical	13,116	14,604	15,720	16,884	18,108	19,548	21,348	23,364	26,340	28,560	8.4
Electrical	12,792	13,788	14,736	15,828	16,920	18,684	20,772	22,944	24,864	26,544	6.8
Mechanical	12,828	13,656	15,288	16,092	17,256	18,852	20,592	22,716	25,044	27,048	8.0
Civil	12,240	13,224	14,196	15,012	16,104	17,556	19,140	21,036	23,652	24,444	3.3
Industrial	12,624	13,440	14,808	15,456	16,956	18,240	20,136	22,332	25,056	24,000	-4.2
Nuclear	ND	ND	14,532	15,528	16,344	17,760	19,776	21,972	24,192	27,000	11.6
Science											
Chemistry	11,760	12,600	13,416	14,808	15,852	17,112	18,624	20,256	24,336	23,388	-3.9
Mathematics	11,700	12,504	13,656	15,660	15,420	17,004	18,024	20,220	21,936	24,096	9.8
Geology and related sciences	ND	ND	ND	15,756	16,992	18,204	20,208	22,476	25,380	27,492	8.3
Computer sciences	13,008	13,440	14,028	15,144	15,560	18,492	20,268	22,296	23,772	24,840	4.5
Metallurgy	12,420	13,572	14,904	15,068	16,860	18,756	20,496	22,692	25,140	29,976	19.2
INDEX: TEACHERS WITH A MASTER'S DEGREE = 100.0[c]											
Minimum mean salary for teachers with a master's degree	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
Business administration, industrial management or commerce											
After nontechnical undergraduate degree	162.8	165.1	163.8	162.0	164.7	166.0	170.7	180.0	168.5		
After technical undergraduate degree	172.5	172.6	173.5	169.6	175.5	179.4	185.3	197.6	187.0		
Humanities and social science											
Humanities	ND	119.5	122.0	118.0	117.3	111.7	120.6	131.3	126.7		
Social sciences	ND	128.2	124.9	123.6	121.0	122.1	132.9	130.1	127.7		
Engineering											
Chemical	160.4	170.1	171.6	172.3	176.3	180.5	188.6	195.2	201.6		
Electrical	156.5	160.6	160.9	161.6	164.7	172.5	183.5	191.7	190.3		
Mechanical	156.9	159.1	166.9	164.3	168.0	174.1	181.9	189.8	191.7		
Civil	149.7	154.0	155.0	153.7	156.7	162.1	169.1	175.8	181.1		
Industrial	154.4	156.5	161.7	157.8	165.0	168.4	177.8	186.6	191.8		
Nuclear	ND	ND	158.7	158.5	159.1	164.0	174.7	183.6	185.2		
Science											
Chemistry	143.8	146.8	146.5	151.1	154.1	158.0	164.5	169.3	186.3		
Mathematics	143.1	145.6	149.1	159.8	150.1	157.0	159.2	169.0	167.9		
Geology and related sciences	ND	ND	ND	160.8	162.5	168.1	178.5	187.8	194.3		
Computer sciences	159.1	156.5	153.2	154.6	161.2	170.7	179.0	186.3	182.0		
Metallurgy	151.9	158.1	162.7	164.0	164.1	173.2	181.0	189.6	192.5		

SOURCE: College Placement Council. *Salary Survey, A Study of Beginning Offers.* Bethlehem, Pa.: The Council. Various reports, 1973 to 1981. Monthly salaries converted to annual salaries by NEA Research.

NOTE: Salaries for classroom teachers from NEA Research.

[a] One year or less of full-time, nonmilitary employment.

[b] Teachers are not necessarily inexperienced.

[c] Computed by NEA Research from data presented by the College Placement Council.

ND = No data available.

TABLE 24.—AVERAGE ANNUAL SALARY OFFERS[a] TO DOCTORAL CANDIDATES BY CURRICULUM, BY EMPLOYERS IN BUSINESS AND INDUSTRY, 1972-73 TO 1981-82

Graduate program	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	Percent change, 1981-82 over 1980-81
1	2	3	4	5	6	7	8	9	10	11	12
Minimum mean salary for teachers with a doctoral degree[b]	$ 9,402	$10,183	$10,674	$11,413	$12,063	$12,440	$12,946	$13,731	$14,663	. . .	
Engineering											
Chemical	17,256	18,600	19,740	21,516	22,584	24,888	26,772	29,424	31,788	35,040	10.2
Electrical	18,096	18,612	18,600	20,316	21,732	23,688	26,652	30,408	32,184	35,568	10.5
Mechanical	17,016	17,748	19,488	20,244	21,324	24,360	25,920	29,112	33,384	34,848	4.4
Civil	15,576	17,112	16,584	19,164	19,500	21,960	27,120	25,068	29,292	30,708	4.8
Science											
Chemistry	16,188	16,932	18,036	18,984	20,700	22,308	24,204	27,132	28,716	30,324	5.6
Mathematics	17,700	16,092	18,276	18,828	20,448	22,560	24,840	26,388	29,352	22,596	-23.0
Physics	16,680	15,908	17,676	19,668	20,376	22,848	25,116	27,636	31,080	28,200	-9.3
Metallurgy	17,364	17,424	18,684	20,340	20,998	24,096	24,492	29,028	29,976	ND	
INDEX: TEACHERS WITH A Ph.D. = 100.0[c]											
Minimum mean salary for teachers with a doctoral degree	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
Engineering											
Chemical	183.5	182.7	184.9	188.5	187.2	200.1	206.8	214.3	216.8		
Electrical	192.5	182.8	174.6	178.0	180.2	190.4	205.9	221.5	219.5		
Mechanical	181.0	174.3	182.6	177.4	176.8	195.8	200.2	212.0	227.7		
Civil	165.7	168.0	155.4	167.9	161.7	176.5	209.5	182.6	199.8		
Science											
Chemistry	172.2	166.3	169.0	166.3	171.6	179.3	187.0	197.6	195.8		
Mathematics	188.3	158.0	171.2	165.0	169.5	181.4	191.9	192.2	200.2		
Physics	177.4	166.0	165.6	172.3	168.9	183.7	194.0	201.3	212.0		
Metallurgy	184.7	171.1	175.0	178.2	174.1	193.7	189.2	211.4	204.4		

SOURCE: College Placement Council. *Salary Survey, A Study of Beginning Offers.* Bethlehem, Pa.: the Council, various reports, 1973 to 1981.

NOTE: Salaries for classroom teachers from NEA Research.

[a] Monthly amounts converted to annual salaries by NEA Research. No allowance made for possible increase during the first year of employment.

[b] For earned doctor's degree or seven years of preparation.

[c] Computed by NEA Research from data presented by the College Placement Council.

ND = No data available.

TABLE 25.—FAMILY INCOME, 1950, 1955, 1960, 1965, AND 1970 TO 1980

	Median income		Percent distribution—Total money income in current dollars							
Year	Current dollars	1980 dollars	Under $5,000	$5,000—9,999	$10,000—14,999	$15,000—19,999	$20,000—24,999	$25,000—34,999	$35,000 and over	Total[a]
1	2	3	4	5	6	7	8	9	10	11
1950	$ 3,319	$11,361	76.8	20.0	3.2					100
1955	4,418	13,594	58.7	35.1	4.8	0.6	0.3	0.5		100
1960	5,620	15,635	42.0	43.6	10.6	2.1	0.8	0.9		100
1965	6,957	18,172	31.6	43.1	17.7	4.6	1.5	1.4		100
1970	9,867	20,938	19.1	31.8	26.8	13.1	4.6	3.0	1.6	100
1971	10,285	20,930	18.4	29.8	27.0	14.4	5.1	3.5	1.9	100
1972	11,116	21,899	16.7	27.0	26.1	16.7	6.3	4.8	2.5	100
1973	12,051	22,343	14.6	24.4	25.5	18.8	7.4	6.1	3.1	100
1974	12,902	21,559	12.7	22.6	24.2	18.1	10.5	8.0	3.9	100
1975	13,719	21,004	12.0	21.2	22.3	18.8	11.6	9.5	4.6	100
1976	14,958	21,659	10.3	19.6	20.2	19.1	12.9	11.8	6.0	100
1977	16,009	21,772	9.4	18.2	18.5	17.8	13.9	14.5	7.9	100
1978	17,640	22,279	8.2	15.9	16.7	16.9	14.5	17.6	10.3	100
1979	19,684	22,341	6.9	13.5	15.6	15.0	14.4	19.2	15.5	100
1980	21,023	21,023	6.2	12.7	14.2	14.0	13.7	19.8	19.5	100

SOURCE: U.S. Department of Commerce, Bureau of the Census. *Money Income and Poverty Status of Families and Persons in the United States: 1980 (Advance Report).* Current Population Reports, Consumer Income Series, P-60, No. 127. Washington, D.C.: the Bureau, August 1981.

[a] Because of rounding, percents may not add to 100.

TABLE 26.—PER CAPITA EFFECTIVE BUYING INCOME, BY REGION AND BY STATE, 1973 TO 1980

Region and state 1	1973 2	1974 3	1975 4	1976 5	1977 6	1978 7	1979 8	1980 9
UNITED STATES	$4,176	$4,602	$5,003	$5,449	$5,986	$6,552	$7,305	$ 7,940
NEW ENGLAND	4,380	4,794	5,279	5,687	6,157	6,795	7,444	8,432
Connecticut	4,969	5,571	5,946	6,501	6,925	7,626	8,360	9,677
Maine	3,449	3,868	4,347	4,636	5,126	5,453	6,040	6,592
Massachusetts	4,401	4,725	5,318	5,663	6,110	6,846	7,459	8,479
New Hampshire	3,861	4,405	4,624	5,054	5,655	6,249	6,920	7,729
Rhode Island	4,223	4,587	5,058	5,474	6,073	6,485	7,082	7,901
Vermont	3,518	3,686	4,101	4,545	5,110	5,447	6,246	6,718
MIDDLE ATLANTIC	4,578	5,012	5,477	5,922	6,427	6,923	7,626	8,436
New Jersey	4,904	5,516	5,893	6,328	6,951	7,621	8,368	9,200
New York	4,699	5,051	5,601	5,989	6,453	6,878	7,583	8,501
Pennsylvania	4,191	4,637	5,028	5,568	6,062	6,558	7,227	7,864
EAST NORTH CENTRAL	4,428	4,887	5,231	5,717	6,374	6,860	7,267	8,197
Illinois	4,720	5,327	5,708	6,341	6,940	7,299	8,279	8,904
Indiana	4,146	4,588	4,892	5,250	5,886	6,486	7,197	7,579
Michigan	4,644	4,975	5,271	5,837	6,606	7,004	7,679	8,235
Ohio	4,307	4,751	5,075	5,423	6,079	6,613	7,358	7,926
Wisconsin	3,900	4,307	4,758	5,195	5,791	6,515	7,074	7,755
WEST NORTH CENTRAL	4,072	4,500	4,827	5,318	5,668	6,267	7,202	7,949
Iowa	4,093	4,641	4,900	5,461	5,867	6,439	7,508	8,070
Kansas	4,310	4,785	5,164	5,634	6,034	6,532	7,627	8,786
Minnesota	4,073	4,510	4,816	5,325	5,604	6,333	7,283	8,088
Missouri	4,009	4,293	4,639	5,124	5,661	6,211	6,930	7,508
Nebraska	4,162	4,582	4,933	5,414	5,699	6,221	7,167	7,987
North Dakota	3,872	4,689	5,061	5,483	5,023	5,625	6,625	7,651
South Dakota	3,599	3,999	4,296	4,612	4,550	5,377	6,545	7,086
SOUTH ATLANTIC	3,850	4,259	4,646	5,062	5,554	6,088	6,795	7,235
Delaware	4,522	4,910	5,302	5,765	6,306	6,910	7,624	8,087
District of Columbia	5,792	6,275	6,865	7,063	7,894	8,605	9,378	10,342
Florida	3,954	4,365	4,745	5,145	5,686	6,292	7,133	7,415
Georgia	3,599	3,890	4,274	4,721	5,237	5,678	6,190	6,668
Maryland	4,433	4,922	5,321	5,797	6,255	6,734	7,489	8,217
North Carolina	3,481	3,956	4,368	4,734	5,167	5,631	6,306	6,627
South Carolina	3,290	3,654	3,940	4,332	4,809	5,256	5,957	6,274
Virginia	3,965	4,406	4,810	5,294	5,706	6,344	7,019	7,709
West Virginia	3,338	3,685	4,084	4,424	5,007	5,600	6,315	6,618
EAST SOUTH CENTRAL	3,308	3,709	4.006	4,391	4,925	5,362	5,940	6,338
Alabama	3,247	3,566	3,906	4,288	4,825	5,304	5,822	6,305
Kentucky	3,436	3,924	4,138	4,539	5,078	5,588	6,296	6,458
Mississippi	2,944	3,278	3,590	3,897	4,418	4,859	5,190	5,611
Tennessee	3,459	3,898	4,215	4,635	5,164	5,509	6,167	6,668
WEST SOUTH CENTRAL	3,625	3,994	4,429	4,922	5,506	6,127	6,948	7,600
Arkansas	3,129	3,427	3,764	4,231	4,850	5,375	5.805	6,227
Louisiana	3,322	3,704	4,152	4,559	5,089	5,644	6,290	7,032
Oklahoma	3,668	3,997	4,354	4,760	5,321	5,919	6,677	7,788
Texas	3,797	4,182	4,644	5,187	5,784	6,446	7,393	7,946
ROCKY MOUNTAIN	3,883	4,248	4,583	4,947	5,477	6,082	6,908	7,396
Arizona	3,867	4,206	4,583	4,896	5,396	6,099	7,040	7,162
Colorado	4,238	4,527	4,915	5,328	5,872	6,521	7,410	8,172
Idaho	3,622	4,326	4,559	4,780	5,308	5,565	6,364	6,655
Montana	3,708	4,141	4,506	4,842	5,134	5,530	6,211	7,142
Nevada	4,612	5,238	5,491	5,947	6,709	7,419	8,180	8,633
New Mexico	3,397	3,680	3,899	4,256	4,821	5,477	6,211	6,866
Utah	3,475	3,746	4,088	4,494	4,982	5,500	6,116	6,237
Wyoming	4,166	4,457	4,805	5,242	5,940	6,724	7,735	8,861
PACIFIC	4,539	5,027	5,509	5,955	6,537	7,306	8,111	8,849
Alaska	4,596	5,343	6,906	8,003	7,815	8,324	9,196	10,185
California	4,650	5,113	5,587	6,062	6,650	7,426	8,233	9,027
Hawaii	4,425	4,826	5,275	5,708	6,122	6,781	7,889	8,018
Oregon	3,894	4,376	4,787	5,256	5,728	6,433	7,163	7,699
Washington	4,316	4,955	5,429	5,608	6,344	7,171	7,947	8,632

SOURCE: Sales Management, *Survey of Buying Power*, various issues. © 1974, 1975, 1976, 1977, 1978, 1979, 1980, and 1981. Sales Management Survey of Buying Power; further reproduction is forbidden.

TABLE 27.—PER CAPITA PERSONAL INCOME, BY REGION AND BY STATE, 1973 TO 1981 (In current dollars)

Region and state	1973	1974	1975	1976	1977	1978	1979	1980	1981
1	2	3	4	5	6	7	8	9	10
UNITED STATES	$4,980	$5,428	$5,861	$ 6,401	$ 7,043	$7,846	$8,757	$9,458	$10,491
NEW ENGLAND	5,164	5,635	6,030	6,559	7,163	7,955	8,916	9,929	11,058
Connecticut	5,869	6,391	6,799	7,340	8,044	8,973	10,129	11,445	12,816
Maine	4,085	4,493	4,766	5,356	5,748	6,335	7,052	7,734	8,535
Massachusetts	5,198	5,666	6,077	6,590	7,201	7,952	8,901	9,992	11,128
New Hampshire	4,604	5,022	5,417	6,040	6,646	7,495	8,370	8,980	9,994
Rhode Island	4,779	5,287	5,709	6,205	6,790	7,624	8,500	9,250	10,153
Vermont	4,225	4,580	4,924	5,399	5,837	6,568	7,434	7,839	8,723
MIDEAST	5,415	5,928	6,380	6,874	7,431	8,203	9,110	10,056	11,301
Delaware	5,640	6,087	6,547	7,089	7,651	8,402	9,280	10,195	11,095
District of Columbia	5,952	6,595	7,262	7,967	8,721	9,418	10,452	11,883	13,539
Maryland	5,460	5,951	6,403	7,054	7,612	8,516	9,333	10,322	11,477
New Jersey	5,807	6,326	6,794	7,288	7,927	8,796	9,746	10,755	12,127
New York	5,561	6,076	6,519	6,923	7,433	8,192	9,106	10,143	11,466
Pennsylvania	4,890	5,402	5,841	6,404	6,969	7,663	8,558	9,294	10,370
GREAT LAKES	5,211	5,644	6,047	6,677	7,417	8,221	9,126	9,771	10,656
Illinois	5,666	6,215	6,735	7,308	8,049	8,900	9,859	10,658	11,576
Indiana	4,909	5,225	5,609	6,250	6,940	7,716	8,570	8,978	9,720
Michigan	5,340	5,670	5,991	6,760	7,604	8,507	9,381	9,847	10,790
Ohio	4,973	5,433	5,778	6,411	7,091	7,826	8,713	9,398	10,313
Wisconsin	4,747	5,182	5,616	6,087	6,823	7,515	8,470	9,254	10,035
PLAINS	5,037	5,267	5,719	6,075	6,796	7,605	8,487	9,154	10,270
Iowa	5,166	5,327	5,894	6,171	6,899	7,887	8,669	9,178	10,474
Kansas	5,149	5,505	5,958	6,444	7,110	7,989	9,099	9,958	10,813
Minnesota	5,115	5,422	5,779	6,214	7,106	7,821	8,746	9,519	10,768
Missouri	4,689	5,007	5,476	5,935	6,617	7,311	8,248	8,846	9,651
Nebraska	5,127	5,196	5,882	6,057	6,661	7,412	8,291	8,914	10,366
North Dakota	6,064	5,879	5,888	5,756	5,947	7,635	7,683	8,556	10,213
South Dakota	4,948	4,753	5,009	4,956	5,868	6,335	6,992	7,452	8,833
SOUTHEAST	4,278	4,689	5,028	5,543	6,090	6,826	7,621	8,116	9,014
Alabama	3,852	4,233	4,635	5,159	5,651	6,345	6,971	7,484	8,219
Arkansas	3,829	4,271	4,510	4,933	5,450	6,182	6,953	7,180	8,044
Florida	4,973	5,338	5,631	6,094	6,740	7,591	8,521	8,987	10,165
Georgia	4,391	4,755	5,029	5,530	6,030	6,825	7,627	8,000	8,934
Kentucky	4,021	4,520	4,887	5,404	5,968	6,645	7,377	7,718	8,420
Louisiana	3,899	4,373	4,803	5,399	5,985	6,739	7,594	8,282	9,518
Mississippi	3,460	3,781	4,047	4,519	5,027	5,586	6,200	6,508	7,408
North Carolina	4,251	4,624	4,940	5,473	5,941	6,660	7,382	7,852	8,649
South Carolina	3,945	4,405	4,665	5,179	5,676	6,340	7,056	7,519	8,039
Tennessee	4,149	4,506	4,804	5,344	5,848	6,585	7,316	7,786	8,447
Virginia	4,851	5,337	5,772	6,333	6,951	7,666	8,588	9,435	10,349
West Virginia	3,981	4,425	4,962	5,479	6,011	6,589	7,402	7,831	8,377
SOUTHWEST	4,517	4,979	5,469	6,023	6,733	7,615	8,600	9,246	10,405
Arizona	4,744	5,123	5,931	5,891	6,520	7,383	8,438	8,649	9,754
New Mexico	3,936	4,328	4,843	5,319	5,919	6,742	7,482	7,956	8,529
Oklahoma	4,371	4,822	5,280	5,740	6,455	7,405	8,394	9,081	10,247
Texas	4,564	5,048	5,584	6,175	6,908	7,784	8,778	9,513	10,729
ROCKY MOUNTAIN	4,734	5,153	5,571	6,060	6,659	7,518	8,319	9,015	10,056
Colorado	5,046	5,495	5,987	6,526	7,184	8,102	9,114	9,964	11,215
Idaho	4,482	5,028	5,179	5,721	6,180	6,983	7,632	8,126	8,937
Montana	4,760	4,976	5,388	5,583	6,020	7,071	7,528	8,445	9,410
Utah	4,100	4,462	4,900	5,379	5,964	6,581	7,182	7,485	8,313
Wyoming	5,120	5,653	6,123	6,777	7,647	8,627	9,630	10,692	11,665
FAR WEST	5,353	5,910	6,474	7,126	7,866	8,782	9,884	10,658	11,669
California	5,444	6,015	6,575	7,229	7,975	8,879	10,037	10,856	11,923
Nevada	5,698	6,063	6,625	7,318	8,276	9,506	10,500	10,458	11,576
Oregon	4,829	5,312	5,769	6,419	7,190	8,078	8,887	9,400	10,008
Washington	5,089	5,647	6,298	6,931	7,585	8,542	9,531	10,363	11,277
Alaska	6,066	7,137	9,636	10,274	10,417	10,504	11,152	12,406	13,763
Hawaii	5,564	6,134	6,708	7,134	7,712	8,450	9,248	9,787	11,036

SOURCE: U.S. Department of Commerce, *Survey of Current Business,* August 1982.

TABLE 28. PER CAPITA PERSONAL INCOME INDEX, BY REGION AND BY STATE, 1973 TO 1981

Region and state 1	1973 2	1974 3	1975 4	1976 5	1977 6	1978 7	1979 8	1980 9	1981 10
UNITED STATES	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
NEW ENGLAND	103.7	103.8	102.9	102.5	101.7	101.4	101.8	105.0	105.4
Connecticut	117.9	117.7	116.0	114.7	114.2	114.4	115.7	121.0	122.2
Maine	82.0	82.8	81.3	83.7	81.6	80.7	80.5	81.8	81.4
Massachusetts	104.4	104.4	103.7	103.0	102.2	101.4	101.6	105.6	106.1
New Hampshire	92.4	92.5	92.4	94.4	94.4	95.5	95.6	94.9	95.3
Rhode Island	96.0	97.4	97.4	96.9	96.4	97.2	97.1	97.8	96.8
Vermont	84.8	84.4	84.0	84.3	82.9	83.7	84.9	82.9	83.1
MIDEAST	108.7	109.2	108.9	107.4	105.5	104.6	104.0	106.3	107.7
Delaware	113.3	112.0	111.7	110.7	108.6	107.1	106.0	107.8	105.8
District of Columbia	119.5	121.5	123.9	124.5	123.8	120.0	119.4	125.6	129.1
Maryland	109.6	109.6	109.2	110.2	108.1	108.5	106.6	109.1	109.4
New Jersey	116.6	116.5	115.9	113.9	112.6	112.1	111.3	113.7	115.6
New York	111.7	112.0	111.2	108.2	105.5	104.4	104.0	107.2	109.3
Pennsylvania	98.2	99.5	99.7	100.0	98.9	97.7	97.7	98.3	98.8
GREAT LAKES	104.6	104.0	103.2	104.3	105.3	104.8	104.2	103.3	101.6
Illinois	113.8	114.5	114.9	114.2	114.3	113.4	112.6	112.7	110.3
Indiana	98.6	96.3	95.7	97.6	98.5	98.3	97.9	94.9	92.7
Michigan	107.2	104.5	102.2	105.6	108.0	108.4	107.1	104.1	102.9
Ohio	99.9	100.1	98.6	100.2	100.7	99.7	99.5	99.4	98.3
Wisconsin	95.3	95.5	95.8	95.1	96.9	95.8	96.7	97.8	95.7
PLAINS	101.1	97.0	97.6	94.9	96.5	96.9	96.9	96.8	97.9
Iowa	103.7	98.1	100.6	96.4	98.0	100.5	99.0	97.0	99.8
Kansas	103.4	101.4	101.7	100.7	101.0	101.8	103.9	105.3	103.1
Minnesota	102.7	99.9	98.6	97.1	100.9	99.7	99.9	100.6	102.6
Missouri	94.2	92.2	93.4	92.7	94.0	93.2	94.2	93.5	92.0
Nebraska	103.0	95.7	100.4	94.6	94.6	94.5	94.7	94.2	98.8
North Dakota	121.8	108.3	100.5	89.9	84.4	97.3	87.7	90.5	97.4
South Dakota	99.4	87.6	85.5	77.4	83.3	80.7	79.8	78.8	84.2
SOUTHEAST	85.8	86.4	85.8	86.6	86.5	87.0	87.0	85.8	85.9
Alabama	77.3	78.0	79.1	80.6	80.2	80.9	79.6	79.1	78.3
Arkansas	76.9	78.7	76.9	77.1	77.4	78.8	79.4	75.9	76.7
Florida	99.9	98.3	96.1	95.2	95.7	96.7	97.3	95.0	96.9
Georgia	88.7	87.6	85.8	86.4	85.6	87.0	87.1	84.6	85.2
Kentucky	80.7	83.3	83.4	84.4	84.7	84.7	84.2	81.6	80.3
Louisiana	78.3	80.6	81.9	84.3	85.0	85.9	86.7	87.6	90.7
Mississippi	69.5	69.7	69.0	70.6	71.4	71.2	70.8	68.8	70.6
North Carolina	85.4	85.2	84.3	85.5	84.4	84.9	84.3	83.0	82.4
South Carolina	79.2	81.2	79.6	80.9	80.6	80.8	80.6	79.5	76.6
Tennessee	83.3	83.0	82.0	83.5	83.0	83.9	83.5	82.3	80.5
Virginia	97.4	98.3	98.5	98.9	98.7	97.7	98.1	99.8	98.6
West Virginia	79.9	81.5	84.7	85.6	85.3	84.0	84.5	82.8	79.8
SOUTHWEST	90.7	91.7	93.3	94.1	95.6	97.1	98.2	97.8	99.2
Arizona	95.3	94.4	92.0	92.0	92.6	94.1	96.4	91.4	93.0
New Mexico	79.0	79.7	82.6	83.1	84.0	85.9	85.4	84.1	81.3
Oklahoma	87.8	88.8	90.1	89.7	91.7	94.4	95.9	96.0	97.7
Texas	91.6	93.0	95.3	96.5	98.1	99.2	100.2	100.6	102.3
ROCKY MOUNTAIN	95.1	94.9	95.1	94.7	94.5	95.8	95.0	95.3	95.9
Colorado	101.3	101.2	102.1	102.0	102.0	103.3	104.1	105.3	106.9
Idaho	90.0	92.6	88.4	89.4	87.7	89.0	87.2	85.9	85.2
Montana	95.6	91.7	91.9	87.2	85.5	90.1	86.0	89.3	89.7
Utah	82.3	82.2	83.6	84.0	84.7	83.9	82.0	79.1	79.2
Wyoming	102.8	104.2	104.5	105.9	108.6	110.0	110.0	113.0	111.2
FAR WEST	107.5	108.9	110.5	111.3	111.7	111.9	112.9	112.7	111.2
California	109.3	110.8	112.2	112.9	113.2	113.2	114.6	114.8	113.6
Nevada	114.4	111.7	113.0	114.3	117.5	121.2	119.9	110.6	110.3
Oregon	97.0	97.9	98.4	100.3	102.1	103.0	101.5	99.4	95.4
Washington	102.2	104.0	107.5	108.3	107.7	108.9	108.8	109.6	107.5
Alaska	121.8	131.5	164.4	160.5	147.9	133.9	127.3	131.2	131.2
Hawaii	111.7	113.0	114.5	111.5	109.5	107.7	105.6	103.5	105.2

SOURCE: Computed from data in Table 27.

TABLE 29.—AVERAGE WEEKLY AND ANNUAL EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS, ALL PRIVATE NONAGRICULTURAL PAYROLLS,[ab] 1960 TO 1982

Year	Average weekly hours	Average hourly rate	Average weekly earnings	Estimated annual earnings[c]	
				Amount	Index: 1967=100.0
1	2	3	4	5	6
1960	38.6	$2.09	$ 80.67	$ 4,195	79.2
1961	38.6	2.14	82.60	4,295	81.1
1962	38.7	2.22	85.91	4,467	84.3
1963	38.8	2.28	88.46	4,600	86.9
1964	38.7	2.36	91.33	4,749	89.7
1965	38.8	2.46	95.45	4,963	93.7
1966	38.6	2.56	98.82	5,139	97.0
1967	38.0	2.68	101.84	5,296	100.0
1968	37.8	2.85	107.73	5,602	105.8
1969	37.7	3.04	114.61	5,960	112.5
1970	37.1	3.23	119.83	6,231	117.7
1971	36.9	3.45	127.31	6,620	125.0
1972	37.0	3.70	136.90	7,119	134.4
1973	36.9	3.94	145.39	7,560	142.7
1974	36.5	4.24	154.76	8,048	152.0
1975	36.1	4.53	163.53	8,504	160.6
1976	36.1	4.86	175.45	9,123	172.3
1977	36.0	5.25	189.00	9,828	185.6
1978	35.8	5.69	203.70	10,592	200.0
1979	35.6	6.16	219.30	11,404	215.3
1980	35.3	6.66	235.10	12,225	230.8
1981	35.2	7.25	255.20	13,270	250.6
1982 (7 months)	34.7	7.59	263.37	13,695	258.6

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics. *Employment and Earnings*, August 1982.

[a] Data relate to production workers in mining and manufacturing; to construction workers in contract construction; and to nonsupervisory workers in wholesale and retail trade; finance, insurance, and real estate; transportation and public utilities and services.

[b] These data are periodically revised by the Bureau of Labor Statistics.

[c] Computed by NEA Research from weekly earnings shown in report.

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Winter Issue
(February 1983)

NEA 430 PC

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PRICES, BUDGETS, SALARIES AND INCOME

Winter Issue
(February 1983)

Peter Veillette
Project Director

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FAMILY BUDGETS

The family budget figures for 1981 contained in this issue of PBSI represent the final publication of this data by the Bureau of Labor Statistics. BLS announced the elimination of the family budget program as a part of its overall budget reduction. Continuation would have required extensive revision of the expenditure data upon which the budgets were based. Funding for this revision was not available.

The Fall 1981 family budget data was released by BLS in April 1982. April has been the month for issuance of this report since 1971. Regular users of family budget figures should therefore feel free to use this most recent data until April 1983.

CONSUMER PRICE INDEX

On October 27, 1981, the Bureau of Labor Statistics announced its intention to change the way in which homeownership costs are measured for the Consumer Price Index. Effective with data for January 1983, the Consumer Price Index for All Urban Consumers (CPI-U) will incorporate a rental equivalence measure for homeownership costs. Effective with data for January 1985, the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) will also incorporate the rental equivalence approach.

DATA BY PHONE

The Bureau of Labor Statistics now provides summary economic statistics by phone. A recorded message available 24 hours a day gives information for three major economic indicators; the employment situation, the Consumer Price Index, and the Producer Price Index. In addition to receiving the most current data, callers are advised of the future release dates for each of these statistics. The BLS recorded information number is (202) 523-9658.

INTRODUCTION

Prices, Budgets, Salaries, and Income (PBSI) features historical and current statistics of economic significance to state and local education associations. The 29 tables are arranged in four series: consumer prices, family budgets, salaries, and income. Regional, state, and local data are included whenever possible. Because data from the NEA and from federal sources are revised periodically, regular users of *PBSI* are cautioned not to rely on prior *PBSI* editions, for the information they seek may have been further revised in the latest issue for the sake of statistical accuracy.

Creative uses of PBSI data can serve several diverse association purposes. These might include: organizing and membership, negotiations and fact-finding, or communications and public relations. Depending upon one's particular needs it is possible to generate data showing growth rates, projections, comparisons, ratios, etc. It is often useful to relate data from one section of the report to that of another. For example, salary increases may be related to consumer prices, or family budgets may be related to personal income and teacher salaries. Because there are many possible combinations, any one of which might be relevant to a particular local situation, they cannot all be contained in this report. Instead, the basic data are given in the four major sections.

In addition to these syntheses PBSI users should explore possibilities of incorporating state and local tax rate and collection data into their files of basic economic information. The state-local partnership in financing schools depends on the balance of income, sales, and property taxes to provide the dollars for this task. Increasingly this revenue side of the school finance equation must be monitored to assure that education recieves its fair share of available resources. Although such information is beyond the scope of this Research Memo it is essential to an understanding of local economic conditions and the ability to support education.

HIGHLIGHTS

Teacher salaries for 1982-83 averaged $20,531, a 7.3 percent increase over last year (Table 10).

For school year 1981-82 the Consumer Price Index increased by 7.9 percent (Table 1). Over the five-year period, 1976-77 through 1981-82 prices increased by 60 percent and teacher salaries by slightly over 40 percent (Tables 1 and 10).

NEA Research estimates the 1982-83 school year CPI (Sept.-Aug.) to increase by 6.0 percent over 1982-83 (Table 1).

Goods and services you paid $10 for during the 1972-73 school year are estimated to cost $23.29 in 1982-83 (Table 3).

Teacher salaries as a percent of the intermediate standard budget continue to fall further behind from 88.5 percent in 1971 to 75.3 percent in 1981 (Table 9).

Regions that predominantly include bargaining states still pay the highest teacher salaries for 1982-83; Far West, $23,612, Mideast, $23,083; and Great Lakes, $21,755. Lowest teacher salaries for 1982-83 are paid in the predominantly nonbargaining Southeast, $17,715. (Table 10).

Average earnings of full-time state, local, and city employees show slightly greater increases in earnings from 1974 to 1981 in comparison to average earnings for instructional personnel in local schools and average salary paid teachers (Tables 14 and 16).

The minimum scheduled salary for Federal G.S. Classified employees increased by 33.2 percent from 1978-1982. Over the same period the average minimum salary for teachers increased by 31.1 percent. (Tables 18 and 20).

Beginning salaries for teachers with a B.A. degree in 1981 were lower than any professional occupation as reported by BLS (Table 19), and starting offers for any subjects field as reported in Endicott reports (Table 20) or College Placement Council reports (Table 22).

The more education and higher degrees a teacher earns the less money they make in relation to beginning offers for other curriculum fields. For example, when the average teacher minimum salary for the B.,A., M.A. and Doctorate degree levels are indexed to 100 for 1980-81, the respective index for the beginning offer in chemistry is 160.4, 186.3, and 195.8. In money this means $7,106 at the B.A. degree level to a $14,053 difference at the doctorate level (Tables 22, 23, and 24).

Over the five years from 1976 to 1981, per capita income has increased by 63.9 percent while teacher's average salaries have only increased by 43.5 percent (Table 10 and 27). Similarly, earnings of production workers have increased by 45.5 percent showing teacher salaries are falling further behind (Table 29).

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TABLE 1.—CONSUMER PRICE INDEX, ALL ITEMS, 1970 TO 1982 (1967 = 100.0)

Year 1	January 2	February 3	March 4	April 5	May 6	June 7	July 8	August 9	September 10	October 11	November 12	December 13	Average for year 14	Percent change from previous year 15
1970........	113.3	113.9	114.5	115.2	115.7	116.3	116.7	116.9	117.5	118.1	118.5	119.1	116.3	5.9
1971........	119.2	119.4	119.8	120.2	120.8	121.5	121.8	122.1	122.2	122.4	122.6	123.1	121.3	4.3
1972........	123.2	123.8	124.0	124.3	124.7	125.0	125.5	125.7	126.2	126.6	126.9	127.3	125.3	3.3
1973........	127.7	128.6	129.8	130.7	131.5	132.4	132.7	135.1	135.5	136.6	137.6	138.5	133.1	6.2
1974........	139.7	141.5	143.2	143.9	145.5	146.9	148.0	149.9	151.7	153.0	154.3	155.4	147.7	11.0
1975........	156.1	157.2	157.8	158.6	159.3	160.6	162.3	162.8	163.6	164.6	165.6	166.3	161.2	9.1
1976........	166.7	167.1	167.5	168.2	169.2	170.1	171.1	171.9	172.6	173.3	173.8	174.3	170.5	5.8
1977........	175.3	177.1	178.2	179.6	180.6	181.8	182.6	183.3	184.0	184.5	185.4	186.1	181.5	6.5
CPI-W[a]														
1978........	187.1	188.4	189.7	191.4	193.3	195.3	196.7	197.7	199.1	200.7	201.8	202.9	195.3	7.6
1979........	204.7	207.1	209.3	211.8	214.3	216.9	219.4	221.5	223.7	225.6	227.6	230.0	217.7	11.5
1980........	233.3	236.5	239.9	242.6	245.1	247.8	248.0	249.6	251.9	254.1	256.4	258.7	247.0	13.5
1981........	260.7	263.5	265.2	266.8	269.1	271.4	274.6	276.5	279.1	279.9	280.4	281.1	272.3	10.2
b...........	11.7	11.4	10.5	10.0	9.8	9.5	10.7	10.8	10.8	10.1	9.4	8.7		
1982........	282.1	282.9	282.5	283.7	286.5	290.1	291.8	292.4	292.8	293.6	293.2	292.0	288.6	6.0
b...........	8.2	7.4	6.5	6.3	6.5	6.9	6.3	5.8	4.9	4.9	4.6	3.9		
CPI-U[c]														
1978........	187.2	188.4	189.8	191.5	193.3	195.3	196.7	197.8	199.3	200.9	202.0	202.9	195.4	7.7
1979........	204.7	207.1	209.1	211.5	214.1	216.6	218.9	221.1	223.4	225.4	227.5	229.9	217.4	11.3
1980........	233.2	236.4	239.8	242.5	244.9	247.6	247.8	249.4	251.7	253.9	256.2	258.4	246.8	13.5
1981........	260.5	263.2	265.1	266.8	269.0	271.3	274.4	276.5	279.3	279.9	280.7	281.5	272.4	10.4
b...........	11.7	11.3	10.6	10.0	9.8	9.6	10.7	10.9	11.0	10.2	9.6	8.9		
1982........	282.5	283.4	283.1	284.3	287.1	290.6	292.2	292.8	293.3	294.1	293.6	292.4	289.1	6.1
b...........	8.4	7.7	6.8	6.6	6.7	7.1	6.5	5.9	5.0	5.1	4.6	3.9		

Percent change, December 1972 to December 1982: 129.7%
Percent change, December 1977 to December 1982: 57.1%

School year	**CPI (September to August)**[d]	**Percent change from previous year**
1970-71	119.8	4.9
1971-72	123.9	3.4
1972-73	129.6	4.6
1973-74	142.2	9.7
1974-75	157.4	10.7
1975-76	167.7	6.5
1976-77	177.7	6.0
1977-78	190.0	6.9
1978-79	209.0	10.0
1979-80	237.3	13.5
1980-81	263.9	11.2
1981-82	284.8	7.9
1982-83 (est.) ...	301.9	6.0

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *The Consumer Price Index*, various dates.

[a] CPI-W = Revised CPI for urban wage earners and clerical workers.

[b] Percent change of the month's CPI from the same month's CPI of the previous year.

[c] CPI-U = CPI for all urban consumers.

[d] Percent changes and the school year CPI computed by NEA Research.

TABLE 2.—CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U),[1] ALL ITEMS—U.S. CITY AVERAGE AND SELECTED AREAS (1967 = 100.0, unless otherwise noted)

Area[2]	Other index base	Indexes				Percent change to Nov. 1982 from—			Percent change to Oct. 1982 from—		
		Aug. 1982	Sept. 1982	Oct. 1982	Nov. 1982	Nov. 1981	Sept. 1982	Oct. 1982	Oct. 1981	Aug. 1982	Sept. 1982
1	2	3	4	5	6	7	8	9	10	11	12
U.S. city average		292.8	293.3	294.1	293.6	4.6	0.1	-0.2	5.1	0.4	0.3
Chicago, Ill.-Northwestern Ind.		293.2	294.0	294.4	294.3	6.2	0.1	0.0	6.6	0.4	0.1
Detroit, Mich.		292.7	294.9	295.2	296.0	5.9	0.4	0.3	4.9	0.9	0.1
L.A.-Long Beach, Anaheim, Calif.		289.1	288.2	289.5	288.5	2.5	0.1	-0.3	2.9	0.1	0.5
N.Y., N.Y.-Northeastern N.J		278.5	280.7	284.5	283.6	5.9	1.0	-0.3	6.2	2.2	1.4
Philadelphia, Pa.-N.J.		281.3	283.0	281.8	282.9	3.2	0.0	0.4	2.6	0.2	-0.4
Anchorage, Alaska	10/67	...	263.4	...	257.2	1.4	-2.4	...	...	...	...
Baltimore, Md.		...	289.2	...	290.1	3.3	0.3	...	...	...	...
Boston, Mass.		...	282.9	...	285.0	3.9	0.7	...	...	...	...
Cincinnati, Ohio-Ky.-Ind.		...	300.2	...	304.2	10.0	1.3	...	...	...	...
Denver-Boulder, Colo.		...	324.5	...	326.2	9.5	0.5	...	...	...	...
Miami, Fla.	11/77	...	156.1	...	156.8	2.1	0.4	...	...	...	...
Milwaukee, Wisc.		...	302.4	...	303.1	5.4	0.2	...	...	...	...
Northeast Pennsylvania		...	276.0	...	279.4	2.6	1.2	...	...	...	...
Portland, Oreg.-Wash.		...	288.2	...	285.6	2.5	-0.9	...	...	...	...
St. Louis, Mo.-Ill.		...	294.1	...	290.0	5.9	-1.4	...	...	...	...
San Diego, Calif.		...	325.6	...	321.7	0.1	-1.2	...	...	...	...
Seattle-Everett, Wash.		...	302.2	...	297.5	2.9	-1.6	...	...	...	...
Washington, D.C.-Md.-Va.		...	286.5	...	286.3	3.9	-0.1	...	...	...	...
Atlanta, Ga.		295.6	...	297.8	...	...	...	...	5.8	0.7	...
Buffalo, N.Y.		267.7	...	277.1	...	...	...	...	5.6	3.5	...
Cleveland, Ohio		312.2	...	316.6	...	...	...	...	12.0	1.4	...
Dallas-Fort Worth, Texas		304.3	...	306.7	...	...	...	...	4.9	0.8	...
Honolulu, Hawaii		269.4	...	275.2	...	...	...	...	6.1	2.2	...
Houston, Texas		318.6	...	317.6	...	...	...	...	5.9	-0.3	...
Kansas City, Mo.-Kans.		285.0	...	289.3	...	...	...	...	6.1	1.5	...
Minneapolis-St. Paul, Minn.-Wisc.		313.8	...	307.7	...	...	...	...	5.5	-1.9	...
Pittsburgh, Pa.		291.4	...	300.7	...	...	...	...	8.3	3.2	...
San Francisco-Oakland, Calif.		304.3	...	302.4	...	...	...	...	1.8	-0.6	...
Region[3]											
Northeast	12/77	152.1	...	154.0	...	...	...	...	4.6	1.2	...
North Central	12/77	160.5	...	160.4	...	...	...	...	7.1	-0.1	...
South	12/77	158.3	...	159.0	...	...	...	...	5.4	0.4	...
West	12/77	159.0	...	158.9	...	...	...	...	2.8	-0.1	...
Population size class[3]											
A-1	12/77	153.8	...	155.4	...	...	...	...	4.9	1.0	...
A-2	12/77	159.4	...	160.6	...	...	...	...	5.2	0.8	...
B	12/77	158.3	...	159.0	...	...	...	...	4.1	0.4	...
C	12/77	158.2	...	157.4	...	...	...	...	5.2	-0.5	...
D	12/77	158.7	...	158.7	...	...	...	...	6.6	0.0	...
Region/population size class cross classification[3]											
Northeast/A	12/77	149.0	...	151.8	...	...	...	...	5.6	1.9	...
North Central/A	12/77	162.2	...	163.1	...	...	...	...	6.9	0.6	...
South/A	12/77	156.9	...	158.1	...	...	...	...	4.8	0.8	...
West/A	12/77	160.3	...	160.3	...	...	...	...	2.6	0.0	...
Northeast/B	12/77	155.8	...	156.6	...	...	...	...	2.8	0.5	...
North Central/B	12/77	157.0	...	158.9	...	...	...	...	6.8	1.2	...
South/B	12/77	159.1	...	159.6	...	...	...	...	4.0	0.3	...
West/B	12/77	159.9	...	160.1	...	...	...	...	3.3	0.1	...
Northeast/C	12/77	161.2	...	160.7	...	...	...	...	2.9	-0.3	...
North Central/C	12/77	158.9	...	155.9	...	...	...	...	6.9	-1.9	...
South/C	12/77	158.6	...	159.1	...	...	...	...	6.6	0.3	...
West/C	12/77	153.3	...	152.6	...	...	...	...	2.3	-0.5	...
Northeast/D	12/77	155.3	...	155.8	...	...	...	...	4.4	0.3	...
North Central/D	12/77	160.2	...	159.0	...	...	...	...	8.4	-0.7	...
South/D	12/77	158.8	...	159.8	...	...	...	...	7.0	0.6	...
West/D	12/77	158.5	...	158.1	...	...	...	...	3.9	-0.3	...

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *The Consumer Price Index,* various dates.

[1] Indexes measure time-to-time changes in prices. They do not indicate whether it costs more to live in one area than in another.

[2] Area includes the urban portion of the corresponding Standard Metropolitan Statistical Area (SMSA) except for L.A.-Long Beach, Anaheim, which is an aggregation of two SMSA's, and for New York and Chicago, which are the more extensive Standard Consolidated Areas. Area definitions are those established by the Office of Management and Budget and do not include revisions made since 1973.

[3] Regions are defined as the four Census regions.

The population size classes are aggregations of areas which have urban population as defined below:

A-1	More than 4,000,000
A-2	1,250,000 to 4,000,000
B	385,000 to 1,250,000
C	75,000 to 385,000
D	Less than 75,000.

Population size class A is the aggregation of population size classes A-1 and A-2.

TABLE 3.—CONSUMER PRICE INDEX BASE YEAR CONVERSIONS

School year 1	Sept.-Aug. CPI 2	1967-68 base 3	1968-69 base 4	1969-70 base 5	1970-71 base 6	1971-72 base 7	1972-73 base 8	1973-74 base 9	1974-75 base 10	1975-76 base 11	1976-77 base 12	1977-78 base 13	1978-79 base 14	1979-80 base 15
1967-68	102.6	100.0												
1968-69	107.8	105.1	100.0											
1969-70	114.2	111.3	105.9	100.0										
1970-71	119.8	116.8	111.1	104.9	100.0									
1971-72	123.9	120.8	114.9	108.5	103.4	100.0								
1972-73	129.6	126.3	120.2	113.5	108.2	104.6	100.0							
1973-74	142.2	138.6	131.9	124.5	118.7	114.8	109.7	100.0						
1974-75	157.4	153.4	146.0	137.8	131.4	127.0	121.5	110.7	100.0					
1975-76	167.7	163.5	155.6	146.8	140.0	135.4	129.4	117.9	106.5	100.0				
1976-77	177.7	173.2	164.8	155.6	148.3	143.4	137.1	125.0	112.9	106.0	100.0			
1977-78	190.0	185.2	176.3	166.4	158.6	153.3	146.6	133.6	120.7	113.3	106.9	100.0		
1978-79	209.0	203.7	193.9	183.0	174.5	168.7	161.3	147.0	132.8	124.6	117.6	110.0	100.0	
1979-80	237.3	231.3	220.1	207.8	198.1	191.5	183.1	166.9	150.8	141.5	133.5	124.9	113.5	100.0
1980-81	263.9	257.2	244.8	231.1	220.3	213.0	203.6	185.6	167.7	157.4	148.5	138.9	126.3	111.2
1981-82	284.8	277.6	264.2	249.4	237.7	229.9	219.8	200.3	180.9	169.8	160.3	149.9	136.3	120.0
1982-83 (est.) .	301.9	294.2	208.1	264.4	252.0	243.7	232.9	212.3	191.8	180.0	169.9	158.9	144.4	127.2

The CPI may be converted to any base year by dividing the September to August CPI for the year to be converted by the September to August CPI for the base year selected, and multiplying the quotient by 100. For example, to convert the 1979-80 CPI to a 1974-75 base year: 237.3/157.4 = 1.508 × 100 = 150.8.

TABLE 4.—PURCHASING POWER OF THE DOLLAR, 1970 TO 1982 (1967 = $1.00)

Year 1	Jan. 2	Feb. 3	Mar. 4	Apr. 5	May 6	June 7	July 8	Aug. 9	Sept. 10	Oct. 11	Nov. 12	Dec. 13	Average 14
1970 ...	.883	.878	.873	.868	.864	.860	.857	.855	.851	.847	.844	.840	.860
1971 ...	.839	.838	.835	.832	.828	.823	.821	.819	.818	.817	.816	.812	.824
1972 ...	.812	.808	.806	.805	.802	.800	.797	.796	.792	.790	.788	.786	.798
1973 ...	.783	.778	.770	.765	.760	.755	.754	.740	.738	.732	.727	.722	.751
1974 ...	.716	.707	.698	.695	.687	.681	.676	.667	.659	.654	.648	.644	.677
1975 ...	.641	.636	.634	.631	.628	.623	.616	.614	.611	.608	.604	.601	.620
1976 ...	.600	.598	.597	.595	.591	.588	.584	.582	.579	.577	.575	.574	.587
1977 ...	.570	.565	.561	.557	.554	.550	.548	.546	.543	.542	.539	.537	.551
1978 ...	.534	.531	.527	.522	.517	.512	.508	.506	.502	.498	.495	.493	.512
1979 ...	.489	.483	.478	.473	.467	.462	.457	.452	.448	.444	.440	.435	.460
1980 ...	.429	.423	.417	.412	.408	.404	.404	.401	.397	.394	.390	.387	.405
1981 ...	.384	.380	.377	.375	.372	.369	.364	.362	.358	.357	.356	.355	.367
1982 ...	.354	.353	.353	.352	.348	.344	.342	.342	.341	.340	.341	.342	.346

SOURCE: Computed from data in Table 1.

TABLE 5.—ESTIMATED ANNUAL COSTS OF THREE BUDGETS FOR A FOUR-PERSON FAMILY, FALL 1977 TO FALL 1981[a]

Area	Annual costs—Total budget					Percent increase, Fall 1981 over Fall 1980
	Fall 1977	Fall 1978	Fall 1979	Fall 1980	Fall 1981	
1	2	3	4	5	6	7
Lower Budget:						
Urban United States	$10,481	$11,546	$12,585	$14,044	$15,323	9.1
Metropolitan areas[b]	10,636	11,685	12,722	14,203	15,481	9.0
Nonmetropolitan areas[c]	9,790	10,925	11,972	13,331	14,619	9.7
Intermediate Budget:						
Urban United States	17,106	18,622	20,517	23,134	25,407	9.8
Metropolitan areas[b]	17,498	18,982	20,935	23,597	25,893	9.7
Nonmetropolitan areas[c]	15,353	17,016	18,651	21,070	23,238	10.3
Higher Budget:						
Urban United States	25,202	27,420	30,317	34,409	38,060	10.6
Metropolitan areas[b]	25,983	28,186	31,187	35,391	39,117	10.5
Nonmetropolitan areas[c]	21,712	24,000	26,432	30,024	33,338	11.0

SOURCES: U.S. Department of Labor, Bureau of Labor Statistics. *Monthly Labor Review*, various issues; Press Release USDL: 82-139, April 16, 1982.

[a] The family consists of an employed husband, age 38, a wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy.

[b] Standard Metropolitan Statistical Areas.

[c] Places with 2,500 to 50,000 inhabitants.

TABLE 6.—ANNUAL COSTS OF BUDGETS FOR THREE LIVING STANDARDS,[a] FALL 1981

Budget item	Urban United States								
	Total			Metropolitan areas[b]			Nonmetropolitan areas[c]		
	Lower	Intermed.	Higher	Lower	Intermed.	Higher	Lower	Intermed.	Higher
1	2	3	4	5	6	7	8	9	10
Total budget	$15,323	$25,407	$38,060	$15,481	$25,893	$39,117	$14,619	$23,238	$33,338
Total cost of family consumption	12,070	18,240	25,008	12,179	18,523	25,560	11,579	16,978	22,545
Food	4,545	5,842	7,367	4,596	5,915	7,512	4,313	5,521	6,712
Housing	2,817	5,546	8,423	2,863	5,659	8,652	2,612	5,045	7,403
Transportation	1,311	2,372	3,075	1,248	2,380	3,126	1,591	2,333	2,847
Clothing and personal care	1,316	1,841	2,666	1,327	1,853	2,683	1,265	1,785	2,595
Medical care	1,436	1,443	1,505	1,475	1,481	1,544	1,266	1,274	1,331
Other family consumption[d]	644	1,196	1,972	670	1,235	2,043	532	1,020	1,657
Other items[e]	621	1,021	1,719	624	1,032	1,745	606	978	1,594
Social Security and disability insurance	1,036	1,703	1,993	1,049	1,736	1,995	981	1,552	1,984
Personal income taxes	1,596	4,443	9,340	1,629	4,602	9,817	1,453	3,730	7,215

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics. Press Release, USDL: 82-139, April 16, 1982.

[a] The family consists of an employed husband, age 38, wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy.

[b] Standard Metropolitan Statistical Areas.

[c] Places with population of 2,500 to 50,000.

[d] Reading, recreation, education, tobacco, alcoholic beverages, education, and miscellaneous expenses.

[e] Gifts and contributions, life insurance, and occupational expenses.

TABLE 7.—INTERCITY AND AREA COMPARISONS OF A CITY WORKER'S FAMILY BUDGET FOR AN INTERMEDIATE STANDARD OF LIVING, FALL 1977 TO FALL 1981

Area	Total budget[a]					Percent increase, Fall 1981 over Fall 1980[d]
	Fall 1977	Fall 1978	Fall 1979	Fall 1980	Fall 1981	
1	2	3	4	5	6	7
United States	$17,106	$18,622	$20,517	$23,134	$25,407	9.8
Metropolitan areas[b]	17,498	18,982	20,935	23,597	25,893	9.7
Nonmetropolitan areas[c]	15,353	17,016	18,651	21,070	23,238	10.3
Northeast						
Boston, Mass.	20,609	22,117	24,381	27,029	29,213	8.1
Buffalo, N.Y.	18,298	19,517	21,806	23,995	26,473	10.3
Hartford, Conn.	17,796	19,392	[e]	[e]	[e]	...
Lancaster, Pa.	16,322	17,982	[e]	[e]	[e]	...
New York—Northeastern N.J.	19,972	21,587	23,856	26,749	29,540	10.4
Philadelphia, Pa.—N.J.	17,792	19,416	21,436	24,364	26,567	9.0
Pittsburgh, Pa.	16,516	18,008	19,890	22,492	24,717	9.9
Portland, Maine	17,578	19,186	[e]	[e]	[e]	...
Nonmetropolitan areas[c]	17,052	18,694	20,730	23,319	25,839	10.8
North Central						
Cedar Rapids, Iowa	16,681	18,224	[e]	[e]	[e]	...
Champaign—Urbana, Ill.	17,223	19,076	[e]	[e]	[e]	...
Chicago, Ill.—Northwestern Ind.	17,330	18,794	20,564	23,387	25,358	8.4
Cincinnati, Ohio—Ky.—Ind.	16,547	18,354	20,287	22,681	25,475	12.3
Cleveland, Ohio	17,411	18,987	20,868	23,429	25,598	9.3
Dayton, Ohio	15,695	17,430	[e]	[e]	[e]	...
Detroit, Mich.	17,427	19,145	20,821	23,168	25,208	8.8
Green Bay, Wisc.	16,768	18,490	[e]	[e]	[e]	...
Indianapolis, Ind.	16,695	18,193	[e]	[e]	[e]	...
Kansas City, Mo.—Kans.	16,486	18,262	19,618	22,504	24,528	9.0
Milwaukee, Wisc.	18,230	20,025	21,387	24,028	26,875	11.8
Minneapolis—St. Paul, Minn.	17,813	19,389	21,426	23,630	25,799	9.2
St. Louis, Mo.—Ill.	16,377	17,897	19,963	22,248	24,498	10.1
Wichita, Kans.	15,994	17,783	[e]	[e]	[e]	...
Nonmetropolitan areas[c]	15,658	17,363	18,876	21,288	23,191	8.9
South						
Atlanta, Ga.	15,483	16,897	18,821	21,131	23,273	10.1
Austin, Texas	14,776	16,211	[e]	[e]	[e]	...
Baltimore, Md.	17,204	18,699	20,316	23,389	25,114	7.4
Baton Rouge, La.	15,283	16,806	[e]	[e]	[e]	...
Dallas, Texas	15,313	16,714	18,301	20,766	22,678	9.2
Durham, N.C.	16,369	18,074	[e]	[e]	[e]	...
Houston, Texas	15,488	17,114	19,025	21,572	23,601	9.4
Nashville, Tenn.	15,290	16,627	[e]	[e]	[e]	...
Orlando, Fla.	14,910	16,334	[e]	[e]	[e]	...
Washington, D.C.—Md.—Va.	18,026	20,105	22,206	25,203	27,352	8.5
Nonmetropolitan areas[c]	14,471	16,024	17,454	19,769	21,829	10.4
West						
Bakersfield, Calif.	15,686	17,168	[e]	[e]	[e]	...
Denver, Colo.	16,711	18,565	20,468	22,813	24,820	8.8
Los Angeles—Long Beach, Calif.	17,126	17,722	19,871	22,500	25,025	11.2
San Diego, Calif.	16,721	17,707	20,088	22,727	24,776	9.0
San Francisco—Oakland, Calif.	18,519	19,427	21,478	24,704	27,082	9.6
Seattle—Everett, Wash.	17,211	18,671	20,719	23,392	25,881	10.6
Honolulu, Hawaii	20,883	23,099	25,799	28,488	31,893	12.0
Nonmetropolitan areas[c]	15,334	17,350	19,384	21,933	24,402	11.3
Anchorage, Alaska	24,019	26,329	27,933	29,682	31,890	7.4

SOURCES: U.S. Department of Labor, Bureau of Labor Statistics, *Monthly Labor Review*, various issues; Press Release, USDL: 82-139, April 16, 1982.

[a] The family consists of an employed husband, age 38, a wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy.

[b] Standard Metropolitan Statistical Areas.

[c] Places with population of 2,500 to 50,000.

[d] Computed by NEA Research from data presented.

[e] Data are no longer available as a result of the revision in the CPI program. Estimates for these areas are included in the U.S. urban average.

TABLE 8.—INDEX OF INTERCITY AND AREA COMPARISONS OF A CITY WORKER'S FAMILY BUDGET FOR AN INTERMEDIATE STANDARD OF LIVING, FALL 1977 TO FALL 1981

Area	Total budget[a]				
	Fall 1977	Fall 1978	Fall 1979	Fall 1980	Fall 1981
1	2	3	4	5	6
United States	100.0	100.0	100.0	100.0	100.0
Metropolitan areas	102.3	101.9	102.0	102.0	101.9
Nonmetropolitan areas	89.8	91.4	90.9	91.9	91.5
Northeast					
Boston, Mass.	120.5	118.8	118.8	116.8	115.0
Buffalo, N.Y.	106.7	104.8	106.3	103.7	104.2
Hartford, Conn.	104.0	104.3	[b]	[b]	[b]
Lancaster, Pa.	95.4	96.6	[b]	[b]	[b]
New York—Northeastern N.J.	116.8	115.9	116.3	115.6	116.3
Philadelphia, Pa.—N.J.	104.0	104.3	104.5	105.3	104.6
Pittsburgh, Pa.	96.6	96.7	96.9	97.2	97.3
Portland, Maine	102.8	103.0	[b]	[b]	[b]
Nonmetropolitan areas	99.7	100.4	101.0	100.8	101.7
North Central					
Cedar Rapids, Iowa	97.5	97.9	[b]	[b]	[b]
Champaign—Urbana, Ill.	100.7	102.4	[b]	[b]	[b]
Chicago, Ill.—Northwestern Ind.	101.3	100.9	100.2	101.1	99.8
Cincinnati, Ohio—Ky.—Ind.	96.7	98.6	98.9	98.0	100.3
Cleveland, Ohio	101.8	102.0	101.7	101.3	100.8
Dayton, Ohio	93.0	93.6	[b]	[b]	[b]
Detroit, Mich.	101.9	102.8	101.5	100.1	99.2
Green Bay, Wisc.	98.0	99.3	[b]	[b]	[b]
Indianapolis, Ind.	97.6	97.7	[b]	[b]	[b]
Kansas City, Mo.—Kans.	96.4	98.2	95.6	97.3	96.5
Milwaukee, Wisc.	106.6	107.5	104.2	103.9	105.8
Minneapolis—St. Paul, Minn.	104.1	104.1	104.4	102.1	101.5
St. Louis, Mo.—Ill.	95.7	96.1	97.3	96.2	96.4
Wichita, Kans.	93.5	95.5	[b]	[b]	[b]
Nonmetropolitan areas	91.5	93.2	92.0	92.0	91.3
South					
Atlanta, Ga.	90.5	90.7	91.7	91.3	91.6
Austin, Texas	86.4	87.1	[b]	[b]	[b]
Baltimore, Md.	100.6	100.4	99.0	101.1	98.8
Baton Rouge, La.	89.3	90.2	[b]	[b]	[b]
Dallas, Texas	89.5	89.8	89.2	89.8	89.3
Durham, N.C.	95.7	97.1	[b]	[b]	[b]
Houston, Texas	90.5	91.9	92.7	93.2	92.9
Nashville, Tenn.	89.4	89.3	[b]	[b]	[b]
Orlando, Fla.	87.2	87.7	[b]	[b]	[b]
Washington, D.C.—Md.—Va.	105.4	108.0	108.2	108.9	107.7
Nonmetropolitan areas	84.6	86.0	85.1	85.8	85.9
West					
Bakersfield, Calif.	91.7	92.2	[b]	[b]	[b]
Denver, Colo.	97.7	99.7	99.8	98.6	97.7
Los Angeles—Long Beach, Calif.	100.1	95.2	96.9	97.3	98.5
San Diego, Calif.	97.7	95.1	97.9	98.2	97.5
San Francisco—Oakland, Calif.	108.3	104.3	104.7	106.8	106.6
Seattle—Everett, Wash.	100.6	100.3	101.0	101.1	101.9
Honolulu, Hawaii	122.1	124.0	125.7	123.1	125.5
Nonmetropolitan areas	89.6	93.2	94.3	94.8	96.0
Anchorage, Alaska	140.4	141.4	136.1	128.3	125.5

[a] Computed by NEA Research from data in Table 7.

[b] Data are no longer available as a result of the revision in the CPI program.

TABLE 9.—TOTAL BUDGET FOR AN INTERMEDIATE STANDARD OF LIVING COMPARED TO AVERAGE SALARIES PAID TEACHERS, FALL 1971 TO FALL 1981

Budget date	Total budget—intermediate standard	Average salary paid teachers*	Percent that teacher's salary is of total budget
1	2	3	4
Fall 1971	$10,971	$ 9,705	88.5
Fall 1972	11,446	10,176	88.9
Fall 1973	12,626	10,778	85.4
Fall 1974	14,333	11,690	81.6
Fall 1975	15,318	12,653	82.6
Fall 1976	16,236	13,342	82.2
Fall 1977	17,106	14,247	83.3
Fall 1978	18,622	15,057	80.9
Fall 1979	20,517	15,966	77.8
Fall 1980	23,134	17,590	76.0
Fall 1981	25,407	19,142	75.3

SOURCES: U.S. Department of Labor, Bureau of Labor Statistics, *Monthly Labor Review*, various issues; Press Release USDL: 82-139, April 16, 1982; and NEA Research estimates.

*For school years 1971-72 to 1981-82.

TABLE 10.—AVERAGE SALARIES PAID TEACHERS, BY REGION, 1972-73 TO 1982-83

Year	New England	Mideast	Southeast	Great Lakes	Plains	Southwest	Rocky Mountain	Far West[a]	Average, all regions
1	2	3	4	5	6	7	8	9	10
1972-73	$10,244	$11,607	$ 8,585	$10,717	$ 9,293	$ 8,710	$ 9,002	$11,630	$10,176
1973-74	10,750	12,272	9,249	11,264	9,757	8,993	9,547	12,579	10,778
1974-75	11,895	13,269	9,883	12,415	10,373	9,852	10,364	13,688	11,690
1975-76	12,715	14,487	10,531	13,237	11,259	11,194	11,423	14,949	12,653
1976-77	13,403	15,338	11,063	14,008	12,118	11,582	12,436	15,743	13,342
1977-78	14,256	16,206	12,155	14,872	12,735	12,627	13,241	16,618	14,247
1978-79	15,637	17,038	13,011	15,652	13,582	13,158	14,127	17,354	15,057
1979-80	16,325	18,178	13,712	16,868	14,381	14,201	15,322	17,910	15,964
1980-81	17,404	19,554	15,248	18,611	15,900	15,878	17,114	20,637	17,590
1981-82	18,118	21,434	16,501	20,123	17,553	17,501	18,748	22,650	19,142
1982-83	18,812	23,083	17,715	21,755	18,930	19,294	20,545	23,612	20,531
INDEX: Average, all regions = 100.0									
1972-73	100.7	114.1	84.4	105.3	91.3	85.6	88.5	114.3	100.0
1973-74	99.7	113.9	85.8	104.5	90.5	83.4	88.6	116.7	100.0
1974-75	101.8	113.5	84.5	106.2	88.7	84.3	88.7	117.1	100.0
1975-76	100.5	114.5	83.2	104.6	89.0	88.5	90.3	118.1	100.0
1976-77	100.5	115.0	82.9	105.0	90.8	86.8	93.2	118.0	100.0
1977-78	100.1	113.8	85.3	104.4	89.4	88.6	92.9	116.6	100.0
1978-79	103.9	113.2	86.4	104.0	90.2	87.4	93.8	115.3	100.0
1979-80	102.3	113.9	85.9	105.7	90.1	89.0	96.0	112.2	100.0
1980-81	98.9	111.2	86.7	105.8	90.4	90.3	97.3	117.3	100.0
1981-82	94.7	112.0	86.2	105.1	91.7	91.4	97.9	118.3	100.0
1982-83	91.6	112.4	86.3	106.0	92.2	94.0	100.1	115.0	100.0

SOURCE: National Education Association—Research estimates.

[a] Excludes Alaska and Hawaii prior to 1980-81.

TABLE 11.—AVERAGE 1980-81 SALARIES PAID TO FACULTY EMPLOYED ON NINE-MONTH CONTRACTS AND PERCENT OF INCREASE OVER 1979-80 IN PUBLIC INSTITUTIONS OF HIGHER EDUCATION BY TYPE AND BY STATE

State	Public universities		Public other four-year		Public two-year	
	Average salary	Percent of increase	Average salary	Percent of increase	Average salary	Percent of increase
1	2	3	4	5	6	7
Alabama	$23,022	14.9	$20,147	9.0	$19,547	15.9
Alaska	36,402	20.7	32,067	18.3	38,178	24.4
Arizona	27,405	5.5	24,809	11.7	23,392	10.2
Arkansas	23,337	8.9	18,810	7.0	15,854	6.1
California	32,115	11.4	29,113	11.4	28,620	10.7
Colorado	25,553	8.9	22,016	8.3	18,648	11.6
Connecticut	28,217	6.4	23,534	8.3	21,028	9.2
Delaware	25,233	8.6	21,217	8.0	20,755	6.7
District of Columbia	. . .	. . .	25,273	2.5	. . .	. . .
Florida	25,449	15.3	23,452	14.2	18,250	2.5
Georgia	24,648	10.3	22,493	11.9	18,949	21.4
Hawaii	26,230	7.3	22,074	6.7	21,876	7.3
Idaho	23,379	8.5	20,494	6.9	18,601	7.7
Illinois	25,789	9.0	22,746	8.2	22,531	8.0
Indiana	24,858	11.5	21,424	11.6	15,482	6.5
Iowa	24,045	8.8	21,817	6.5	18,472	8.0
Kansas	23,687	7.4	19,952	6.7	18,021	10.5
Kentucky	24,264	11.7	20,649	8.7	16,426	14.6
Louisiana	24,349	7.6	21,123	11.8	18,270	13.6
Maine	21,437	10.3	20,388	8.4	16,776	4.5
Maryland	24,656	12.1	24,024	11.8	22,478	5.0
Massachusetts	26,909	5.1	22,501	2.4	18,424	0.8
Michigan	27,953	10.1	23,138	8.8	23,902	5.9
Minnesota	27,242	7.3	22,324	7.4	21,544	7.4
Mississippi	21,904	9.1	19,748	10.8	16,793	12.3
Missouri	25,396	8.5	21,727	9.4	20,872	10.0
Montana	21,241	6.0	20,440	5.9	18,625	7.4
Nebraska	24,785	13.0	19,811	7.3	16,216	7.4
Nevada	25,738	5.5	24,749	5.4	19,649	7.6
New Hampshire	22,713	6.9	19,802	15.1	17,119	7.9
New Jersey	27,438	14.7	24,860	10.5	21,952	7.4
New Mexico	24,408	10.1	22,679	10.8	19,119	11.7
New York	27,380	4.9	25,304	3.1	23,751	7.6
North Carolina	26,897	12.9	22,150	14.2	15,417	11.6
North Dakota	21,356	7.7	19,887	7.3	18,764	8.7
Ohio	25,456	10.2	24,140	13.5	19,948	9.9
Oklahoma	23,348	10.4	21,786	12.7	19,245	19.0
Oregon	23,693	7.1	22,300	8.2	20,509	4.8
Pennsylvania	26,046	8.9	25,710	5.6	19,866	6.8
Rhode Island	25,959	8.5	22,932	9.6	20,879	8.7
South Carolina	24,858	10.1	20,606	9.6	16,279	11.4
South Dakota	20,195	10.3	19,379	8.5	15,943	14.7
Tennessee	24,280	6.8	21,774	8.1	17,245	7.0
Texas	24,091	8.2	20,786	6.1	19,621	10.7
Utah	25,857	10.8	22,024	12.2	19,340	15.7
Vermont	22,727	9.5	16,203	-2.1	16,433	8.2
Virginia	25,198	8.1	21,362	9.8	17,906	9.6
Washington	26,473	7.4	23,583	7.0	22,281	8.5
West Virginia	22,015	7.1	19,429	7.0	16,218	9.1
Wisconsin	28,533	8.9	23,564	8.5	21,365	9.0
Wyoming	26,585	8.7	. . .	. . .	20,692	13.6
50 STATES AND D.C.	25,578	9.4	23,481	8.5	22,218	8.6

SOURCE: National Education Association. *Average Faculty Salaries in Public Institutions of Higher Education by State, 1980-81*. Research Memo. Washington, D.C.: the Association, 1982.

TABLE 12.—MEAN SCHEDULED MINIMUM AND MAXIMUM SALARIES OF PUBLIC AND NONPUBLIC INSTITUTIONS GRANTING THE FOUR-YEAR BACHELOR'S OR HIGHER DEGREE, 1975-76 TO 1980-81

Position	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	Percent change, 1980-81 over 1979-80
1	2	3	4	5	6	7	8
SCHEDULED MINIMUM SALARIES							
Instructor							
Public	$ 9,722	$10,453	$10,971	$11,420	$12,163	$13,158	8.2
Nonpublic	8,759	9,118	9,724	10,260	10,939	11,855	8.2
Assistant professor							
Public	11,493	12,411	13,060	13,454	14,373	15,417	7.3
Nonpublic	10,183	10,711	11,317	11,988	12,759	13,780	8.0
Associate professor							
Public	14,006	15,076	15,982	16,411	17,518	18,874	7.7
Nonpublic	11,969	12,545	13,339	14,158	15,000	16,355	9.0
Professor							
Public	17,068	18,357	19,444	20,067	21,403	23,082	7.8
Nonpublic	14,192	14,762	15,765	16,559	17,507	19,158	9.4
SCHEDULED MAXIMUM SALARIES							
Instructor							
Public	$13,749	$14,598	$15,344	$16,368	$18,085	19,844	9.7
Nonpublic	11,305	11,747	12,627	13,173	14,058	15,365	9.3
Assistant professor							
Public	16,933	18,053	19,132	20,556	22,560	25,017	10.9
Nonpublic	13,784	14,380	15,401	16,148	17,241	18,850	9.3
Associate professsor							
Public	20,592	21,855	23,159	24,958	27,411	30,363	10.8
Nonpublic	16,031	16,751	17,903	18,735	19,996	21,915	9.6
Professor							
Public	25,387	26,713	28,171	30,714	34,140	37,842	10.8
Nonpublic	19,123	19,897	21,321	22,273	23,778	26,248	10.4

SOURCE: NEA Research. *Salaries Scheduled for Faculty in Higher Education, 1980-81.* Washington, D.C.: the Association, 1982.

TABLE 13.—MEAN SCHEDULED MINIMUM AND MAXIMUM SALARIES, PUBLIC TWO-YEAR COLLEGES, 1975-76 TO 1980-81

(For schedules based on preparation level)

Preparation level, full-time teaching staff	School year						Percent change, 1980-81 over 1979-80
	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	
1	2	3	4	5	6	7	8
Bachelor's degree:							
Minimum	$ 9,527	$10,358	$10,777	$11,533	$12,057	$13,594	12.7
Maximum	14,452	15,712	16,361	17,236	18,294	20,592	12.6
Master's degree:							
Minimum	10,492	11,291	11,771	12,486	13,146	14,817	12.7
Maximum	16,128	17,269	18,160	19,268	20,404	22,918	12.3
Six years (M.A. +30):							
Minimum	11,448	12,285	12,760	13,620	14,353	16,131	12.4
Maximum	17,484	18,725	19,546	20,939	22,001	24,768	12.6
Doctor's degree:							
Minimum	12,754	13,485	14,121	14,828	15,813	17,756	12.3
Maximum	19,329	20,346	21,424	22,540	24,160	27,380	13.3
INDEX: B.A. MINIMUM = 100.0							
Bachelor's degree:							
Minimum	100.0	100.0	100.0	100.0	100.0	100.0	...
Maximum	151.7	151.7	151.8	149.5	151.7	151.5	...
Master's degree:							
Minimum	110.1	109.0	109.2	108.3	109.0	109.0	...
Maximum	169.3	166.7	168.5	167.1	169.2	168.6	...
Six years (M.A. +30):							
Minimum	120.2	118.6	118.4	118.1	119.0	118.7	...
Maximum	183.5	180.8	181.4	181.6	182.5	182.2	...
Doctor's degree:							
Minimum	133.9	130.2	131.0	128.6	131.2	130.6	...
Maximum	202.9	196.4	198.8	195.4	200.4	201.4	...

SOURCE: NEA Research. *Salaries Scheduled for Faculty in Higher Education, 1980-81.* Washington, D.C.: the Association, 1982.

TABLE 14.—AVERAGE EARNINGS* OF FULL-TIME STATE AND LOCAL GOVERNMENT EMPLOYEES, BY SELECTED FUNCTIONS, 1974 TO 1981

Function	1974	1975	1976	1977	1978	1979	1980	1981	Percent change, 1981 over 1980
1	2	3	4	5	6	7	8	9	10
Total, all functions	$10,788	$11,520	$12,252	$12,936	$13,668	$14,724	$16,044	$17,568	9.5
Education									
Local schools	11,136	11,868	12,588	13,236	14,028	15,012	16,368	17,556	7.3
Instructional personnel	12,336	13,080	13,884	14,652	15,564	16,668	18,156	19,548	7.7
Institutions of higher education	12,420	13,308	14,136	15,168	15,984	17,112	18,720	20,568	9.9
Instructional personnel	17,436	18,384	19,632	20,988	21,996	23,616	26,004	28,332	9.0
Functions other than education									
Highways	9,636	10,308	10,992	11,664	12,576	13,548	14,856	16,152	8.7
Public welfare	9,144	9,636	10,464	11,148	11,604	12,492	13,344	14,964	12.1
Hospitals	8,652	9,300	9,876	10,500	11,076	12,036	13,152	14,700	11.8
Health	10,620	11,292	12,108	12,756	13,164	14,220	15,468	16,932	9.5
Police protection	11,988	12,900	13,824	14,904	15,396	16,764	17,796	19,764	11.1
Local fire protection	12,816	14,052	14,760	15,900	16,692	17,904	18,948	21,528	13.6
Local parks and recreation	9,228	9,888	10,428	10,752	11,268	12,468	13,572	14,616	7.7
Airport	10,548	11,952	12,360	13,488	14,268	15,648	17,076	18,000	5.4
Correction	10,968	11,628	12,516	13,116	13,836	14,796	15,948	17,460	9.5
Local libraries	8,376	9,072	9,672	10,260	10,860	11,664	12,540	13,692	9.2
Financial administration	9,804	10,344	11,172	11,826	12,480	13,488	14,532	15,912	9.5
Local utilities:									
Water supply	10,128	10,740	11,556	12,144	12,864	13,992	15,348	17,196	12.0
Electric power	12,192	13,404	14,796	15,360	16,224	17,856	19,944	22,512	12.9
Transit	13,956	15,660	15,924	17,076	18,420	18,948	21,480	23,076	7.4
Gas supply	10,536	10,368	11,568	12,372	13,092	14,112	15,000	16,176	7.8
INDEX: LOCAL SCHOOL INSTRUCTIONAL PERSONNEL = 100.0									
Total, all functions	87.5	88.1	88.2	88.3	87.8	88.3	88.4	89.9	
Education									
Local schools	90.3	90.7	90.7	90.3	90.1	90.1	90.2	89.8	
Instructional personnel	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Institutions of higher education	100.7	101.7	101.8	103.5	102.7	102.7	103.1	105.2	
Instructional personnel	141.3	140.6	141.4	143.2	141.3	141.7	143.2	144.9	
Functions other than education									
Highways	78.1	78.8	79.2	79.6	80.9	81.3	81.8	82.6	
Public welfare	74.1	73.7	75.4	76.1	74.6	74.9	73.5	76.6	
Hospitals	70.1	71.1	71.1	71.7	71.2	72.2	72.4	75.2	
Health	86.1	86.3	87.2	87.1	84.6	85.3	85.2	86.6	
Police protection	97.2	98.6	99.6	101.7	98.9	100.6	98.0	101.1	
Local fire protection	103.9	107.4	106.3	108.5	107.2	107.4	104.4	110.1	
Local parks and recreation	74.8	75.6	75.1	73.4	72.4	74.8	74.8	74.8	
Airports	85.5	91.3	89.0	92.1	91.7	93.9	94.1	92.1	
Correction	88.9	88.9	90.1	89.5	88.9	88.8	87.8	89.3	
Local libraries	67.9	69.4	69.7	70.0	69.8	70.0	69.1	70.0	
Financial administration	79.5	79.1	80.5	80.7	80.2	80.9	80.0	81.4	
Local utilities:									
Water supply	82.1	82.1	83.2	82.3	82.7	83.9	84.5	88.0	
Electric power	98.8	102.5	106.6	104.8	104.2	107.1	109.8	115.2	
Transit	113.1	119.7	114.7	116.5	118.4	113.7	118.3	118.0	
Gas supply	85.4	79.3	83.3	84.4	84.1	84.7	82.6	82.8	

SOURCE: U.S. Department of Commerce, Bureau of the Census, GE Series 1974 to 1981.

*Annual earnings for full-time employees computed from October earnings. Annual earnings are shown here only for greater ease of comparison and should be used only in this manner.

TABLE 15.—AVERAGE SALARIES PAID FULL-TIME EMPLOYEES OF STATE AND LOCAL GOVERNMENTS COMPARED WITH AVERAGE SALARIES PAID TEACHERS, 1971 THROUGH 1982

	Average salaries of full-time state and local government employees			Average salaries paid teachers					
State	1971	1981	Percent increase	1970-71	1980-81	Percent increase	1971-72	1981-82	Percent increase
1	2	3	4	5	6 .	7	8	9	10
Alabama	$ 6,744	$14,220	110.9	$ 7,376	$15,205	106.1	$ 7,737	$15,600	101.6
Alaska	13,236	28,728	117.0	13,570	29,048	114.1	14,124	31,924	126.0
Arizona	9,072	19,104	110.6	9,281	17,201	85.3	9,915	18,014	81.7
Arkansas	5,964	12,936	116.9	6,525	13,273	103.4	6,843	14,506	112.0
California	10,908	22,428	105.6	11,022	20,729	88.1	11,417	22,755	99.3
Colorado	8,256	18,504	124.1	8,614	17,917	108.0	9,264	19,577	111.3
Connecticut	9,780	16,884	72.6	10,079	17,419	72.8	10,295	18,880	83.4
Delaware	8,172	16,320	102.2	9,725	18,025	85.3	10,420	19,290	85.1
Florida	7,740	15,456	99.7	8,797	15,406	75.1	8,935	16,780	87.8
Georgia	6,684	13,884	107.7	7,494	15,445	106.1	7,926	16,363	106.4
Hawaii	9,432	18,372	94.8	10,285	21,147	105.6	10,320	22,542	118.4
Idaho	6,888	15,252	121.6	7,059	15,109	114.0	7,392	16,401	121.9
Illinois	9,672	19,164	98.1	10,249	19,425	89.5	10,624	21,020	97.9
Indiana	7,908	15,612	97.4	9,427	17,255	83.0	9,755	18,622	90.9
Iowa	8,088	16,728	106.8	9,103	16,131	77.2	9,207	17,989	95.4
Kansas	7,260	14,988	106.4	8,034	15,250	89.8	8,251	16,712	102.5
Kentucky	7,152	15,108	111.2	7,197	15,750	118.8	7,362	17,290	134.9
Louisiana	6,984	14,964	114.3	8,306	16,557	99.3	8,767	18,500	111.0
Maine	7,044	14,400	104.4	8,127	13,994	72.2	8,545	15,105	76.8
Maryland	9,192	18,504	101.3	10,091	18,998	88.3	10,463	21,120	101.9
Massachusetts	9,264	17,280	86.5	9,613	18,703	94.6	10,176	18,787	84.6
Michigan	10,524	21,480	104.1	10,962	21,213	93.5	11,620	22,351	92.3
Minnesota	9,384	17,976	91.6	9,778	17,777	81.8	10,219	19,907	94.8
Mississippi	5,724	12,420	117.0	6,004	13,017	116.8	6,530	14,135	116.5
Missouri	7,644	14,448	89.0	8,185	15,421	88.4	8,688	16,413	88.9
Montana	7,620	16,188	112.4	8,173	15,954	95.2	8,514	17,770	108.7
Nebraska	7,224	15,492	114.5	8,120	14,882	83.3	8,454	16,570	96.0
Nevada	8,952	18,696	108.8	9,551	17,700	85.3	10,200	20,105	97.1
New Hampshire	7,560	14,424	90.8	8,311	13,412	61.4	8,453	14,701	73.9
New Jersey	9,564	18,276	91.1	10,205	18,245	82.0	10,725	19,910	85.6
New Mexico	7,188	15,432	114.7	8,112	16,812	107.2	8,238	18,690	126.9
New York	10,404	20,088	93.1	11,034	21,326	93.3	11,830	23,437	98.1
North Carolina	7,968	14,784	85.5	7,772	15,858	104.0	8,593	16,947	97.2
North Dakota	7,452	18,360	146.4	7,257	13,865	91.1	7,587	17,686	133.1
Ohio	8,412	16,548	97.1	8,676	16,904	94.8	8,772	18,550	111.5
Oklahoma	6,828	14,292	109.3	7,657	15,182	98.3	7,647	16,210	112.0
Oregon	8,844	18,540	109.6	9,021	18,047	100.1	9,485	20,305	114.1
Pennsylvania	8,484	17,400	105.1	9,186	17,890	94.8	9,903	19,482	96.7
Rhode Island	8,448	18,720	121.6	9,301	20,088	116.0	9,910	21,659	118.6
South Carolina	6,528	14,304	119.1	6,950	14,353	106.5	7,355	15,170	106.3
South Dakota	6,888	14,124	105.1	7,392	13,674	85.0	7,678	14,717	91.7
Tennessee	6,780	14,664	116.3	7,550	15,118	100.2	7,990	16,285	103.8
Texas	7,164	15,984	123.1	8,147	15,728	93.1	8,472	17,582	107.5
Utah	7,896	16,476	108.7	8,048	16,864	109.5	8,460	18,152	114.6
Vermont	8,040	14,844	84.6	8,269	13,006	57.3	8,462	14,715	73.9
Virginia	7,656	15,876	107.4	8,582	15,535	78.9	9,084	17,008	87.2
Washington	9,396	20,700	120.3	9,900	21,268	114.8	10,175	22,954	125.6
West Virginia	6,888	14,472	110.1	7,626	14,948	96.0	8,103	17,129	111.4
Wisconsin	9,204	18,360	99.5	9,640	17,607	82.6	10,016	19,387	93.6
Wyoming	7,368	18,300	148.4	8,687	18,718	115.5	9,234	21,249	130.1
UNITED STATES	8,760	17,568	100.5	9,269	17,602	89.9	9,705	19,142	97.2

SOURCE: U.S. Department of Commerce, Bureau of the Census, *Public Employment in 1971* and *Public Employment in 1981*.
Salaries for teachers are from NEA Research estimates.

NOTE: Salaries of state and local government employees are based on October earnings; teachers' salaries are for school years 1970-71, 1971-72, 1980-81, and 1981-82.

TABLE 16.—AVERAGE ANNUAL EARNINGS OF FULL-TIME CITY EMPLOYEES BY FUNCTION AND AVERAGE SALARIES OF TEACHERS, 1974 TO 1981[a]

Function	Calendar years								Percent change, 1981 over 1980
	1974	1975[a]	1976[a]	1977[a]	1978[a]	1979[a]	1980[a]	1981[a]	
1	2	3	4	5	6	7	8	9	10
Average salary paid teachers[b] (calendar-year basis)	$11,690	$12,653	$13,342	$14,247	$14,787	$15,662	$16,511	$18,115	9.7
City employees:									
All functions	11,232	11,964	12,756	13,392	14,148	15,144	16,368	18,348	12.1
Highways	9,528	10,140	10,950	11,419	12,095	13,110	13,980	15,612	11.7
Public welfare	9,996	10,110	11,450	11,872	11,989	12,661	14,004	16,032	14.5
Hospitals	9,132	10,177	10,623	11,061	11,588	12,527	13,116	14,976	14.2
Health	10,248	11,110	12,308	12,843	13,370	13,845	15,960	18,408	15.3
Police protection	12,180	13,196	14,092	15,345	15,732	16,884	17,748	20,148	13.5
Fire protection	12,864	14,156	14,800	15,978	16,766	16,652	19,008	21,600	13.6
Sewerage	9,684	10,212	10,962	11,491	12,436	13,469	14,940	16,596	11.1
Sanitation (other than sewerage)	9,324	9,845	10,397	10,500	11,902	11,686	13,644	15,048	10.3
Parks and recreation	9,204	9,648	10,377	10,746	11,062	12,213	13,452	14,472	7.6
Housing and urban renewal	12,756	12,125	13,336	13,196	13,683	14,769	15,576	17,772	14.1
Airports	10,380	11,353	12,010	12,602	13,302	14,668	16,188	17,736	9.6
Water transport and terminals	12,888	14,249	15,847	15,889	17,243	19,075	19,968	23,772	19.1
Correction	12,468	13,208	14,481	14,988	15,456	17,333	18,192	21,144	16.2
Libraries	8,712	9,382	10,090	10,820	11,460	12,248	13,152	14,460	9.9
Financial administration	9,852	10,559	11,209	11,926	12,666	13,593	14,712	16,212	10.2
General control	10,956	11,533	12,800	12,985	13,513	14,735	16,020	17,556	9.6
Local utilities	11,628	12,356	13,164	13,581	14,618	15,514	17,592	19,608	11.5
Water supply	9,864	10,511	11,315	11,903	12,662	13,895	15,048	17,016	13.1
Electric power	11,772	12,715	13,806	14,489	15,099	17,029	18,396	20,808	13.1
Transit	14,616	15,364	16,028	16,117	18,113	17,149	21,036	22,954	9.1
Gas supply	9,732	10,297	11,066	11,545	12,038	12,986	13,620	14,736	8.2
All other functions	10,356	10,508	11,180	11,778	12,475	13,067	14,376	16,800	16.9
INDEX: SALARY PAID TEACHERS = 100.0									
Average salary paid teachers (calendar-year basis)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
City employees:									
All functions	96.1	94.6	95.6	94.0	95.7	96.7	99.1	101.3	
Highways	81.5	80.1	82.1	80.2	81.8	83.7	84.7	86.2	
Public welfare	85.5	79.9	85.8	83.3	81.1	80.8	84.8	88.5	
Hospitals	78.1	80.4	79.6	77.6	78.4	80.0	79.4	82.7	
Health	87.7	87.8	92.3	90.1	90.4	88.4	96.7	101.6	
Police protection	104.2	104.3	105.6	107.7	106.4	107.8	107.5	111.2	
Fire protection	110.4	111.9	110.9	112.1	113.4	106.3	115.1	119.2	
Sewerage	82.8	80.7	82.2	80.7	84.1	86.0	90.5	91.6	
Sanitation (other than sewerage)	79.8	77.8	77.9	73.7	80.5	74.6	82.6	83.1	
Parks and recreation	78.7	76.3	77.8	75.4	74.8	78.0	81.5	79.9	
Housing and urban renewal	109.1	95.8	100.0	92.6	92.5	94.3	94.3	98.1	
Airports	88.8	89.7	90.0	88.5	90.0	93.7	98.0	97.9	
Water transport and terminals	110.2	112.6	118.8	111.5	116.6	121.8	120.9	131.2	
Correction	106.7	104.4	108.5	105.2	104.5	110.7	110.2	116.7	
Libraries	74.5	74.1	75.6	75.8	77.5	78.2	79.7	79.8	
Financial administration	84.3	83.5	84.0	83.7	85.7	86.8	89.1	89.5	
General control	93.7	91.1	95.9	91.1	91.4	94.1	97.0	96.9	
Local utilities	99.5	97.7	98.7	95.3	98.9	99.1	106.5	108.2	
Water supply	84.4	83.1	84.8	83.5	85.6	88.7	91.1	93.9	
Electric power	100.7	100.5	103.5	101.7	102.1	108.7	111.4	114.9	
Transit	125.0	121.4	120.1	113.1	122.5	109.5	127.4	126.7	
Gas supply	83.3	81.4	82.9	81.0	81.4	82.9	82.5	81.3	
All other functions	88.6	83.0	83.8	82.7	84.4	83.4	87.1	92.7	

SOURCE: U.S. Department of Commerce, Bureau of the Census, *City Employment*, G.E. Series 1974 to 1981.

NOTE: Salaries for classroom teachers from NEA Research.

[a] Salaries computed by NEA Research from payroll figures and the number of employees in October 1975 through October 1981.

[b] Average salaries paid teachers have been revised by NEA Research.

TABLE 17.—U.S. CLASSIFIED CIVIL SERVICE SCHEDULE OF ANNUAL RATES, BY GRADES, EFFECTIVE OCTOBER 1982

General schedule	Steps within grades[a]									
	1	2	3	4	5	6	7	8	9	10
GS— 1	$ 8,742	$ 9,034	$ 9,325	$ 9,615	$ 9,907	$10,077	$10,365	$10,653	$10,667	$10,940
GS— 2	9,831	10,064	10,389	10,667	10,786	11,104	11,421	11,739	12,056	12,374
GS— 3	10,726	11,084	11,411	11,798	12,156	12,513	12,870	13,228	13,585	13,943
GS— 4	12,042	12,443	12,844	13,246	13,647	14,048	14,450	14,851	15,253	15,634
GS— 5	13,471	13,920	14,368	14,817	15,265	15,714	16,162	16,611	17,059	17,508
GS— 6	15,016	15,517	16,018	16,519	17,018	17,520	18,021	18,522	19,023	19,524
GS— 7	16,686	17,243	17,747	18,356	18,912	19,469	20,025	20,582	21,138	21,695
GS— 8	18,480	19,097	19,713	20,329	20,945	21,562	22,178	22,794	23,410	24,026
GS— 9	20,412	21,092	21,772	22,452	23,124	23,813	24,493	25,173	25,853	26,533
GS—10	22,479	23,228	23,977	24,727	25,476	26,225	26,974	27,724	28,473	29,222
GS—11	24,697	25,521	26,345	27,168	27,992	28,816	29,640	30,463	31,287	32,111
GS—12	29,601	30,588	31,575	32,562	33,550	34,537	35,524	36,511	37,498	38,486
GS—13	35,198	36,372	37,546	38,719	39,893	41,067	42,241	43,414	44,588	45,762
GS—14	41,594	42,981	44,367	45,754	47,140	48,527	49,913	51,300	52,686	54,073
GS—15	48,926	50,557	52,187	53,818	55,449	57,079	58,710[b]	60,341[b]	62,024[b]	63,602[b]
GS—16	57,383	59,296[b]	61,208[b]	63,121[b]	65,034[b]	66,946[b]	68,859[b]	70,771[b]	72,684[b]	
GS—17	67,221[b]	69,461[b]	71,702[b]	73,943[b]	76,183[b]					
GS—18	78,785[b]									

SOURCE: U.S. Civil Service Commission. *Classification Act of 1949, Amended.*

[a] Annual increases are granted through step 4. Intervals of two years are required for steps 5, 6, and 7; three years, for steps 8, 9, and 10; or 17 years to reach maximum of grade.

[b] Limited at present to $57,500.

TABLE 18.—MINIMUM[a] SALARIES OF FEDERAL CLASSIFIED EMPLOYEES BY GRADE, 1972 TO 1982

Grade	January 1972	January 1973	October 1973	October 1974	October 1975	October 1976	October 1977	October 1978	October 1979	October 1980	October 1981	October 1982
1	2	3	4	5	6	7	8	9	10	11	12	13
GS— 1 ...	$ 4,564	$ 4,798	$ 5,017	$ 5,294	$ 5,559	$ 5,810	$ 6,219	$ 6,561	$ 7,210	$ 7,960	$ 8,342	$ 8,742
GS— 2 ...	5,166	5,432	5,682	5,996	6,295	6,572	7,035	7,422	8,128	8,951	9,381	9,831
GS— 3 ...	5,828	6,128	6,408	6,764	7,102	7,408	7,930	8,366	8,952	9,766	10,235	10,726
GS— 4 ...	6,544	6,882	7,198	7,596	7,976	8,316	8,902	9,391	10,049	10,963	11,490	12,042
GS— 5 ...	7,319	7,694	8,055	8,500	8,925	9,303	9,959	10,507	11,243	12,266	12,854	13,471
GS— 6 ...	8,153	8,572	8,977	9,473	9,946	10,370	11,101	11,712	12,531	13,672	14,328	15,016
GS— 7 ...	9,053	9,520	9,969	10,520	11,046	11,523	12,336	13,014	13,925	15,193	15,922	16,696
GS— 8 ...	10,013	10,528	11,029	11,640	12,222	12,763	13,662	14,414	15,423	16,826	17,634	18,480
GS— 9 ...	11,046	11,614	12,167	12,841	13,482	14,097	15,090	15,920	17,035	18,585	19,477	20,412
GS—10 ...	12,151	12,775	13,379	14,117	14,824	15,524	16,618	17,532	18,760	20,467	21,449	22,479
GS—11 ...	13,309	13,996	14,671	15,481	16,225	17,056	18,258	19,263	20,611	22,486	23,566	24,697
GS—12 ...	15,866	16,682	17,497	18,463	19,386	20,442	21,883	23,087	24,703	26,951	28,245	29,601
GS—13 ...	18,737	19,700	20,677	21,816	22,906	24,308	26,022	27,453	29,375	32,048	33,586	35,198
GS—14 ...	21,960	23,088	24,247	25,581	26,861	28,725	30,750	32,442	34,713	37,871	39,689	41,594
GS—15 ...	25,583	26,898	28,263	29,818	31,309	33,789	36,171	38,160	40,832	44,547	46,685	48,926
GS—16 ...	29,678	31,203	32,806	34,607	36,338	39,629[d]	42,423	44,756	47,889	52,247[e]	54,755[e]	57,383[f]
GS—17 ...	34,335	36,103[b]	37,976[b]	40,062[b]	42,066[b]	46,423[d]	49,696[d]	52,429[d]	56,099[e]	61,204[e]	64,142[e]	67,221[f]
GS—18 ...	39,693[b]	41,734[b]	43,926[b]	46,336[b]	48,654[c]	54,410[d]	58,245[d]	61,449[d]	65,750[e]	71,734[e]	75,117[e]	78,785[f]

SOURCE: U.S. Civil Service Commission. *Classification Act of 1949, Amended.*

[a] Minimum salaries are those at the first step in each grade.

[b] Limited to $36,000.

[c] Limited to $37,800.

[d] Limited to $39,600; as of February 1977 limited to $47,500.

[e] Limited to $50,112.50.

[f] Limited to $50,112.50; as of January 1983 limited to $57,500.

TABLE 19.—AVERAGE ANNUAL SALARIES FOR SELECTED PROFESSIONAL, ADMINISTRATIVE, AND TECHNICAL OCCUPATIONS, 1972 TO 1982

Year	Accountants					Auditors				Chief accountants			
	I	II	III	IV	V	I	II	III	IV	I	II	III	IV
1972	$ 9,067	$10,655	$11,879	$14,259	$17,368	$ 9,628	$10,924	$12,881	$15,823	$15,348	$17,419	$21,198	$26,521
1973	9,417	10,934	12,472	15,068	18,400	10,310	11,360	13,568	16,669	16,220	18,634	22,687	26,735
1974	9,739	11,549	13,284	16,051	19,560	10,352	12,024	14,341	17,491	17,601	20,072	23,805	29,021
1975	10,891	12,785	14,458	17,618	21,664	11,296	12,587	15,334	18,800	19,289	21,323	26,226	32,094
1976	11,453	13,394	15,428	18,738	23,402	11,769	13,427	16,059	19,952	20,460	22,753	28,136	33,916
1977	12,155	14,624	16,545	20,367	25,042	12,570	14,503	17,108	21,526	22,558	25,320	31,324	36,789
1978	12,785	15,617	18,115	22,036	27,301	13,243	15,674	18,756	23,093	23,561	27,769	34,160	39,895
1979	13,790	16,706	19,468	24,045	29,744	13,482	16,493	20,303	24,700	25,457	29,604	36,561	45,274
1980	15,149	18,427	21,299	26,158	31,937	14,858	18,002	22,026	26,782	28,347	32,662	41,092	50,073
1981	16,529	20,153	23,545	28,819	35,141	16,369	19,814	24,401	29,475	31,576	35,560	44,494	56,016
1982	18,260	22,068	25,673	31,658	38,680	17,901	22,065	26,502	32,004	34,506	39,708	50,414	61,225

Year	Buyers				Attorneys					
	I	II	III	IV	I	II	III	IV	V	VI
1972	$ 9,380	$10,992	$13,117	$15,555	$13,498	$14,640	$18,392	$23,448	$27,528	$34,828
1973	9,603	11,431	13,835	16,423	13,478	15,555	19,565	24,693	30,035	37,018
1974	10,073	12,141	14,659	17,421	14,223	16,357	21,082	25,956	31,999	38,180
1975	10,861	13,337	15,995	18,983	15,220	17,757	22,558	28,159	34,040	41,046
1976	11,732	14,200	17,122	20,075	15,413	18,667	24,205	29,828	36,308	43,747
1977	12,346	15,099	18,021	21,907	16,033	19,938	25,460	30,973	38,828	46,509
1978	12,887	16,195	19,590	23,853	17,693	21,713	27,738	33,547	42,318	51,798
1979	13,859	17,107	21,200	25,508	18,740	23,468	29,664	37,807	45,599	56,964
1980	14,861	18,467	22,904	27,777	20,911	25,549	33,034	40,864	49,864	60,641
1981	16,202	20,266	25,196	30,583	22,477	28,059	36,373	44,853	54,792	66,958
1982	18,074	22,174	27,424	33,409	25,126	31,696	39,649	49,818	61,579	76,202

Year	Job analysts				Directors of personnel			
	I	II	III	IV	I	II	III	IV
1972	$ 9,441	$10,828	$12,526	$15,057	$14,313	$16,401	$20,153	$24,738
1973	9,362	11,010	13,061	16,211	14,748	17,753	21,984	26,611
1974	9,783	11,488	13,921	17,263	15,790	18,815	24,078	28,140
1975	ND	12,543	14,949	18,459	16,809	19,938	25,033	31,841
1976	ND	13,559	16,091	19,142	18,193	21,720	26,845	33,060
1977	ND	13,572	17,016	20,908	19,062	23,755	29,188	37,785
1978	ND	14,040	18,354	22,616	20,833	26,245	32,201	40,835
1979	ND	15,333	20,106	24,231	22,996	27,981	34,285	43,933
1980	16,056	16,795	21,484	26,315	24,719	31,832	37,816	49,730
1981	16,940	18,296	22,799	28,718	27,848	35,193	42,890	53,914
1982	18,573	19,900	25,028	31,221	31,136	38,168	47,553	57,859

Year	Chemists							
	I	II	III	IV	V	VI	VII	VIII
1972	$ 9,838	$11,092	$12,901	$15,670	$18,581	$21,277	$25,888	$30,827
1973	10,028	11,534	13,217	16,140	19,312	22,602	26,899	32,099
1974	10,660	12,408	14,298	17,283	20,702	24,079	28,203	34,475
1975	11,801	13,288	15,572	19,204	22,700	26,729	31,362	37,855
1976	12,473	14,077	16,589	20,429	24,099	28,868	33,559	40,723
1977	12,872	14,439	17,600	21,674	26,214	30,526	36,329	44,642
1978	13,492	16,337	19,453	23,532	28,494	33,110	38,927	47,156
1979	14,455	17,365	21,025	25,459	30,828	35,232	42,016	48,961
1980	16,200	19,571	23,373	27,681	33,793	38,137	45,883	ND
1981	18,092	21,089	25,438	30,801	36,663	41,911	48,845	ND
1982	19,640	23,474	28,016	34,047	40,207	46,971	53,685	ND

Year	Engineers							
	I	II	III	IV	V	VI	VII	VIII
1972	$10,921	$12,071	$13,682	$16,159	$18,628	$21,402	$24,367	$27,885
1973	11,203	12,591	14,326	17,030	19,614	22,586	25,681	29,499
1974	11,901	13,171	15,160	17,929	20,654	23,827	26,960	31,469
1975	12,917	14,197	16,330	19,443	22,427	26,109	29,101	34,114
1976	13,918	15,184	17,482	20,749	24,082	27,737	30,850	36,236
1977	14,613	16,221	18,696	22,072	25,620	29,376	32,999	38,063
1978	15,928	17,567	20,194	23,972	28,001	32,264	36,520	42,104
1979	17,345	19,026	21,931	25,989	30,472	34,801	39,340	45,221
1980	19,411	21,285	24,160	28,486	33,141	38,259	43,242	50,079
1981	21,712	23,663	26,746	31,352	36,725	42,622	49,287	56,828
1982	23,622	26,060	29,331	34,443	40,677	47,442	54,338	62,494

(Continued)

TABLE 19.—AVERAGE ANNUAL SALARIES FOR SELECTED PROFESSIONAL, ADMINISTRATIVE, AND TECHNICAL OCCUPATIONS, 1972 TO 1982 (Continued)

Year	Engineering technicians					Drafters		
	I	II	III	IV	V	III	IV	V
1972.....	$ 7,208	$ 8,207	$ 9,507	$10,788	$12,259	$ 7,550	$ 9,201	$11,492
1973.....	7,500	8,613	10,005	11,257	12,799	7,988	9,832	12,173
1974.....	7,975	9,122	10,491	11,974	13,654	8,507	10,443	13,070
1975.....	8,625	9,720	11,160	13,020	14,640	8,988	11,217	14,289
1976.....	9,064	10,841	12,258	14,178	16,086	9,763	12,029	15,288
1977.....	9,727	11,355	13,151	15,221	17,237	10,354	12,883	15,828
1978.....	10,461	11,918	14,062	16,302	18,703	11,247	13,709	16,902
1979.....	10,825	12,690	15,094	17,624	20,222	12,835	15,307	19,269
1980.....	12,228	14,212	16,756	19,547	22,323	14,308	17,215	21,690
1981.....	13,203	15,494	17,790	21,240	24,276	15,246	18,903	23,619
1982.....	14,688	17,246	20,219	23,620	26,761	17,046	20,964	25,909

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *National Survey of Professional, Administrative, Technical, and Clerical Pay*, various issues.

NOTE: Within each occupation, the work levels surveyed, usually designated by Roman numerals with class I assigned to the lowest level, are defined in terms of duties and responsibilities. Specific job factors determining classification, however, varied from occupation to occupation.

ND=No data available.

TABLE 20.—AVERAGE STARTING SALARIES OF PUBLIC SCHOOL TEACHERS COMPARED WITH SALARIES IN PRIVATE INDUSTRY, 1974-75 THROUGH 1982-83

Position or subject field	Average starting salary[a]									Percent change, 1982-83 over 1981-82
	1974-75[b]	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	
1	2	3	4	5	6	7	8	9	10	11
Minimum mean salary for teachers with a bachelor's degree.........	$ 8,233	$ 8,768	$ 9,200	$ 9,739	$10,138	$10,764	$11,758	$12,769	. . .	. . .
College graduates with a bachelor's degree[a]										
Engineering	11,940	13,236	13,980	15,606	17,172	18,528	20,136	$22,368	$25,428	13.7
Accounting..............	11,472	11,712	12,396	13,056	13,992	14,784	15,720	16,980	18,648	9.8
Sales—marketing	10,080	11,220	11,316	12,084	12,420	15,072	15,936	17,220	18,372	6.7
Business administration ...	9,324	9,948	10.224	11,556	12,516	13,440	14,100	16,200	17,448	7.7
Liberal arts	8,940	9,696	10,020	11,004	11,952	12,696	13,296	15,444	15,924	3.1
Chemistry................	11,160	11,640	12,384	14,088	15,036	16,200	17,124	19,536	21,492	10.0
Mathematics—statistics ...	10,440	11,004	11,928	12,756	13,872	16,692	17,604	18,600	21,516	15.7
Economics—finance	10,104	10,404	10,644	11,424	12,408	13,740	14,472	16,884	17,532	3.8
Computer sciences	ND	ND	ND	13,188	14,400	16,500	17,712	20,364	22,260	9.3
Other fields	10,368	10,956	11,820	13,476	13,560	16,224	17,544	20,028	22,716	13.4
INDEX: 1974-75 = 100.0[c]										
Minimum mean salary for teachers with a bachelor's degree.........	100.0	106.5	111.7	118.3	123.1	130.7	142.8	155.1	. . .	
College graduates with a bachelor's degree[a]										
Engineering	100.0	110.9	117.1	130.7	143.8	155.2	168.6	187.3	213.0	
Accounting..............	100.0	102.1	108.1	113.8	122.0	128.9	137.0	148.0	162.6	
Sales—marketing	100.0	111.3	112.3	119.9	123.2	149.5	158.1	170.8	182.3	
Business administration ...	100.0	106.7	109.7	123.9	134.2	144.1	151.2	173.7	187.1	
Liberal arts	100.0	108.5	112.1	123.1	133.7	142.0	148.7	172.8	178.1	
Chemistry................	100.0	104.3	111.0	126.2	134.7	145.2	153.4	175.1	192.6	
Mathematics—statistics ...	100.0	105.4	114.3	122.2	132.9	159.9	168.6	178.2	206.1	
Economics—finance	100.0	103.0	105.3	113.1	122.8	136.0	143.2	167.1	173.5	
Computer sciences	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Other fields	100.0	105.7	114.0	130.0	130.8	156.5	169.2	193.2	219.1	

NOTE: Salaries for classroom teachers from NEA Research.

[a] From annual reports for Frank S. Endicott, Director of Placement Emeritus, Northwestern University. Salaries are based on offers made to graduates by approximately 200 companies located throughout the United States. Salaries are based on offers made in November to students who will graduate in June.

[b] Data for male graduates only.

[c] Computed by NEA Research from data presented in the Endicott reports.

ND = No data available.

TABLE 21.—ESTIMATED AVERAGE ANNUAL STARTING SALARIES PAID TO GRADUATES WITH A MASTER'S DEGREE, 1974-75 TO 1982-83

Field	Annual average starting salary[a]									Percent change, 1981-82 over 1981-82
	1974-75[b]	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	
1	2	3	4	5	6	7	8	9	10	11
Minimum mean salary for teachers with a master's degree	$ 9,159	$ 9,797	$10,274	$10,829	$11,322	$11,968	$13,063	NA	. . .	. . .
Engineering	13,728	15,168	16,236	17,484	18,444	21,216	23,136	$25,128	$28,188	12.2
Other technical fields	13,104	14,292	14,868	16,956	17,268	19,320	20,748	23,580	26,568	12.7
M.B.A. with technical B.S.	14,700	15,720	16,656	17,748	18,408	20,904	22,632	26,424	26,580	0.6
M.B.A. with nontechnical B.A.	14,280	15,372	15,780	16,872	17,220	20,016	21,672	22,680	25,778	13.7
Accounting	14,652	14,424	14,688	15,408	16,356	17,544	18,420	20,472	21,456	4.8
Other fields	13,356	14,176	14,604	15,492	16,092	20,112	21,360	21,252	23,196	9.1
					INDEX: 1974-75 = 100.0[c]					
Minimum mean salary for teachers with a master's degree	100.0	107.0	112.2	118.2	123.6	130.7	142.6	. . .	. . .	
Engineering	100.0	110.5	118.3	127.4	134.4	154.5	168.4	183.0	205.3	
Other technical fields	100.0	109.1	113.5	129.4	131.8	147.4	158.3	179.9	202.7	
M.B.A. with technical B.S.	100.0	106.9	113.3	120.7	125.2	142.2	154.0	179.8	180.8	
M.B.A. with nontechnical B.A.	100.0	107.6	110.5	118.2	120.6	140.2	151.8	158.8	180.5	
Accounting	100.0	98.4	100.2	105.2	111.6	119.7	125.7	139.7	146.4	
Other fields	100.0	106.1	109.3	116.0	120.5	150.6	159.9	159.1	173.7	

NOTE: Salaries for classroom teachers from NEA Research.

[a] From annual reports of Frank S. Endicott, Director of Placement Emeritus, Northwestern University. Salaries are based on offers made to graduates by approximately 200 companies located throughout the United States. Salaries are based on offers made in November to students who will graduate in June.

[b] Data for male graduates only.

[c] Computed by NEA Research from data presented in the Endicott reports.

NA = Not available.

TABLE 22.—AVERAGE ANNUAL BEGINNING SALARY OFFERS[a] TO BACHELOR'S DEGREE CANDIDATES, 1972-73 TO 1981-82, BY CURRICULUM, FOR SELECTED TYPES OF EMPLOYERS IN BUSINESS AND INDUSTRY

Curriculum field	1972-73[b]	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	Percent change, 1981-82 over 1980-81
1	2	3	4	5	6	7	8	9	10	11	12
Minimum mean salary for teachers with a bachelor's degree	$ 7,357	$ 7,720	$ 8,233	$ 8,768	$ 9,200	$ 9,739	$10,138	$10,764	$11,758	$12,769	8.6
Accounting	10,644	11,100	11,772	12,216	12,744	13,488	14,472	15,516	16,956	18,420	8.6
Business—general (including management)	9,084	9,636	10,116	10,464	11,124	11,916	13,224	14,616	15,948	16,560	3.8
Marketing and distribution	8,880	9,288	9,612	10,080	10,752	11,520	12,480	13,740	15,300	15,816	3.4
Humanities	8,616	8,292	8,676	9,300	9,720	10,452	11,796	12,888	13,176	13,896	5.5
Social sciences	ND	8,844	9,240	9,840	10,356	10,716	11,664	12,864	12,756	14,112	10.6
Engineering											
Aeronautical	11,040	11,532	12,888	13,836	14,712	16,248	18,060	19,776	21,360	22,104	3.7
Chemical	11,544	12,504	14,352	15,348	16,668	18,156	19,704	21,612	24,276	26,832	10.5
Civil	10,896	11,604	12,768	13,296	14,220	15,456	16,824	18,648	20,952	22,560	7.7
Electrical	11,172	11,832	12,972	13,860	14,940	16,404	18,240	20,280	22,104	24,000	8.6
Industrial	10,836	11,748	12,960	13,668	15,084	16,692	17,880	19,860	21,804	24,108	10.6
Mechanical	11,124	12,012	13,464	14,364	15,432	16,848	18,432	20,436	22,584	24,708	9.4
Metallurgical	ND	ND	13,572	14,544	15,780	17,016	18,840	20,712	22,704	24,372	7.3
Petroleum	ND	ND	15,456	16,776	18,144	19,836	21,516	23,844	26,244	29,856	13.8
Engineering technology	ND	11,208	12,144	12,996	14,124	15,468	17,196	19,020	21,204	22,152	4.5
Agricultural sciences	ND	9,420	9,780	10,224	11,088	11,580	12,552	14,304	15,000	15,432	2.9
Biological sciences	ND	8,640	9,264	9,720	10,584	12,432	12,204	13,908	15,372	14,868	-3.3
Chemistry	10,116	10,608	11,472	12,336	13,224	14,292	15,984	17,508	18,864	21,216	12.5
Computer sciences	ND	10,980	11,700	12,456	13,476	15,192	16,812	18,696	19,968	21,420	7.3
Health professions	ND	8,796	9,672	9,996	10,728	11,388	13,860	13,860	17,556	15,300	-12.9
Mathematics	9,028	10,488	10,980	11,832	12,876	14,220	15,888	17,700	18,888	20,316	7.6
Other physical and earth sciences	ND	10,740	11,988	12,600	12,816	14,868	16,416	18,516	21,912	23,412	6.8
INDEX: TEACHERS WITH A BACHELOR'S DEGREE = 100.0[c]											
Minimum mean salary for teachers with a bachelor's degree	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Accounting	144.7	143.8	143.0	139.3	138.4	138.5	142.8	144.1	144.2	144.3	
Business—general (including management)	123.5	124.8	122.9	119.3	120.9	122.4	130.4	135.8	135.6	129.7	
Marketing and distribution	120.7	119.5	116.7	115.0	116.9	118.3	123.1	127.6	130.1	123.9	
Humanities	117.1	107.4	105.4	106.1	105.7	107.3	116.4	119.7	112.1	108.8	
Social sciences	ND	114.6	112.2	112.2	112.6	110.0	115.1	119.5	108.5	110.5	
Engineering											
Aeronautical	150.1	149.4	156.5	157.8	159.9	166.8	178.1	183.7	181.7	173.1	
Chemical	156.9	162.0	174.3	175.2	181.2	186.4	194.4	200.8	206.5	210.1	
Civil	148.1	150.3	155.1	151.6	154.6	158.7	165.9	173.2	178.2	176.7	
Electrical	161.9	153.3	157.6	158.1	162.4	168.4	179.9	188.4	188.0	188.0	
Industrial	147.3	152.2	157.4	155.9	164.0	171.4	176.4	184.5	185.4	188.8	
Mechanical	151.2	155.6	163.5	163.8	167.7	173.0	181.8	189.9	192.1	193.5	
Metallurgical	ND	ND	164.8	165.9	171.5	174.7	185.8	192.4	193.1	190.9	
Petroleum	ND	ND	187.7	191.3	197.2	203.7	212.2	221.5	223.2	233.8	
Engineering technology	ND	145.2	147.5	148.2	153.5	158.8	169.6	176.7	180.3	173.5	
Agricultural sciences	ND	122.0	118.8	116.6	120.5	118.9	123.8	132.9	127.6	120.9	
Biological sciences	ND	111.9	112.5	110.9	115.0	127.7	120.4	129.2	130.7	116.4	
Chemistry	137.5	137.4	139.3	140.7	143.8	146.8	157.7	162.7	160.4	166.2	
Computer sciences	ND	142.2	142.1	142.1	146.5	156.0	165.8	173.7	169.8	167.8	
Health professions	ND	113.9	117.5	114.0	116.6	116.9	136.7	128.8	149.3	119.8	
Mathematics	122.7	135.9	133.4	134.9	140.0	146.0	156.7	164.4	160.6	159.1	
Other physical and earth sciences	ND	139.1	145.6	143.0	139.3	152.7	161.9	172.0	186.4	183.4	

SOURCE: College Placement Council. *Salary Survey, A Study of Beginning Offers.* Bethlehem, Pa.: the Council, various reports 1973 to 1981.

NOTE: Salaries for classroom teachers from NEA Research.

[a] Monthly amounts converted to annual salaries by NEA Research. No allowance made for possible increases during first year of employment.

[b] 1972-73 includes data for male graduates only.

[c] Computed by NEA Research from data presented by the College Placement Council.

ND = No data available.

TABLE 23.—AVERAGE ANNUAL BEGINNING SALARY OFFERS TO INEXPERIENCED[a] MASTER'S DEGREE CANDIDATES, 1972-73 TO 1981-82, BY CURRICULUM, FOR EMPLOYERS IN BUSINESS AND INDUSTRY[b]

Curriculum field 1	1972-73 2	1973-74 3	1974-75 4	1975-76 5	1976-77 6	1977-78 7	1978-79 8	1979-80 9	1980-81 10	1981-82 11	Percent change, 1981-82 over 1980-81 12
Minimum mean salary for teachers with a master's degree	$ 8,176	$ 8,586	$ 9,159	$ 9,797	$10,274	$10,829	$11,322	$11,968	$13,063	. . .	. . .
Business administration, industrial management or commerce											
After nontechnical undergraduate degree	13,308	14,172	15,000	15,876	16,920	17,976	19,332	21,540	22,008	$ 21,912	-0.4
After technical undergraduate degree	14,100	14,820	15,888	16,620	18,036	19,428	20,976	23,652	24,432	24,324	-0.4
Humanities and social science											
Humanities	ND	10,260	11,172	11,556	12,048	12,096	13,584	15,708	16,548	16,116	-2.6
Social sciences	ND	11,004	11,436	12,108	12,432	13,224	15,048	15,576	16,680	20,640	23.7
Engineering											
Chemical	13,116	14,604	15,720	16,884	18,108	19,548	21,348	23,364	26,340	28,560	8.4
Electrical	12,792	13,788	14,736	15,828	16,920	18,684	20,772	22,944	24,864	26,544	6.8
Mechanical	12,828	13,656	15,288	16,092	17,256	18,852	20,592	22,716	25,044	27,048	8.0
Civil	12,240	13,224	14,196	15,012	16,104	17,556	19,140	21,036	23,652	24,444	3.3
Industrial	12,624	13,440	14,808	15,456	16,956	18,240	20,136	22,332	25,056	24,000	-4.2
Nuclear	ND	ND	14,532	15,528	16,344	17,760	19,776	21,972	24,192	27,000	11.6
Science											
Chemistry	11,760	12,600	13,416	14,808	15,852	17,112	18,624	20,256	24,336	23,388	-3.9
Mathematics	11,700	12,504	13,656	15,660	15,420	17,004	18,024	20,220	21,936	24,096	9.8
Geology and related sciences	ND	ND	ND	15,756	16,992	18,204	20,208	22,476	25,380	27,492	8.3
Computer sciences	13,008	13,440	14,028	15,144	15,560	18,492	20,268	22,296	23,772	24,840	4.5
Metallurgy	12,420	13,572	14,904	15,068	16,860	18,756	20,496	22,692	25,140	29,976	19.2
INDEX: TEACHERS WITH A MASTER'S DEGREE = 100.0[c]											
Minimum mean salary for teachers with a master's degree	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
Business administration, industrial management or commerce											
After nontechnical undergraduate degree	162.8	165.1	163.8	162.0	164.7	166.0	170.7	180.0	168.5		
After technical undergraduate degree	172.5	172.6	173.5	169.6	175.5	179.4	185.3	197.6	187.0		
Humanities and social science											
Humanities	ND	119.5	122.0	118.0	117.3	111.7	120.6	131.3	126.7		
Social sciences	ND	128.2	124.9	123.6	121.0	122.1	132.9	130.1	127.7		
Engineering											
Chemical	160.4	170.1	171.6	172.3	176.3	180.5	188.6	195.2	201.6		
Electrical	156.5	160.6	160.9	161.6	164.7	172.5	183.5	191.7	190.3		
Mechanical	156.9	159.1	166.9	164.3	168.0	174.1	181.9	189.8	191.7		
Civil	149.7	154.0	155.0	153.7	156.7	162.1	169.1	175.8	181.1		
Industrial	154.4	156.5	161.7	157.8	165.0	168.4	177.8	186.6	191.8		
Nuclear	ND	ND	158.7	158.5	159.1	164.0	174.7	183.6	185.2		
Science											
Chemistry	143.8	146.8	146.5	151.1	154.1	158.0	164.5	169.3	186.3		
Mathematics	143.1	145.6	149.1	159.8	150.1	157.0	159.2	169.0	167.9		
Geology and related sciences	ND	ND	ND	160.8	162.5	168.1	178.5	187.8	194.3		
Computer sciences	159.1	156.5	153.2	154.6	161.2	170.7	179.0	186.3	182.0		
Metallurgy	151.9	158.1	162.7	164.0	164.1	173.2	181.0	189.6	192.5		

SOURCE: College Placement Council. *Salary Survey, A Study of Beginning Offers.* Bethlehem, Pa.: The Council. Various reports, 1973 to 1981. Monthly salaries converted to annual salaries by NEA Research.

NOTE: Salaries for classroom teachers from NEA Research.

[a] One year or less of full-time, nonmilitary employment.

[b] Teachers are not necessarily inexperienced.

[c] Computed by NEA Research from data presented by the College Placement Council.

ND = No data available.

TABLE 24.—AVERAGE ANNUAL SALARY OFFERS[a] TO DOCTORAL CANDIDATES BY CURRICULUM, BY EMPLOYERS IN BUSINESS AND INDUSTRY, 1972-73 TO 1981-82

Graduate program	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	Percent change, 1981-82 over 1980-81
1	2	3	4	5	6	7	8	9	10	11	12
Minimum mean salary for teachers with a doctoral degree[b]	$ 9,402	$10,183	$10,674	$11,413	$12,063	$12,440	$12,946	$13,731	$14,663	. . .	
Engineering											
Chemical	17,256	18,600	19,740	21,516	22,584	24,888	26,772	29,424	31,788	35,040	10.2
Electrical	18,096	18,612	18,600	20,316	21,732	23,688	26,652	30,408	32,184	35,568	10.5
Mechanical.................	17,016	17,748	19,488	20,244	21,324	24,360	25,920	29,112	33,384	34,848	4.4
Civil	15,576	17,112	16,584	19,164	19,500	21,960	27,120	25,068	29,292	30,708	4.8
Science											
Chemistry..................	16,188	16,932	18,036	18,984	20,700	22,308	24,204	27,132	28,716	30,324	5.6
Mathematics	17,700	16,092	18,276	18,828	20,448	22,560	24,840	26,388	29,352	22,596	-23.0
Physics	16,680	15,908	17,676	19,668	20,376	22,848	25,116	27,636	31,080	28,200	-9.3
Metallurgy	17,364	17,424	18,684	20,340	20,998	24,096	24,492	29,028	29,976	ND	
INDEX: TEACHERS WITH A Ph.D. = 100.0[c]											
Minimum mean salary for teachers with a doctoral degree	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
Engineering											
Chemical	183.5	182.7	184.9	188.5	187.2	200.1	206.8	214.3	216.8		
Electrical	192.5	182.8	174.6	178.0	180.2	190.4	205.9	221.5	219.5		
Mechanical.................	181.0	174.3	182.6	177.4	176.8	195.8	200.2	212.0	227.7		
Civil	165.7	168.0	155.4	167.9	161.7	176.5	209.5	182.6	199.8		
Science											
Chemistry..................	172.2	166.3	169.0	166.3	171.6	179.3	187.0	197.6	195.8		
Mathematics	188.3	158.0	171.2	165.0	169.5	181.4	191.9	192.2	200.2		
Physics	177.4	166.0	165.6	172.3	168.9	183.7	194.0	201.3	212.0		
Metallurgy	184.7	171.1	175.0	178.2	174.1	193.7	189.2	211.4	204.4		

SOURCE: College Placement Council. *Salary Survey, A Study of Beginning Offers.* Bethlehem, Pa.: the Council, various reports, 1973 to 1981.

NOTE: Salaries for classroom teachers from NEA Research.

[a] Monthly amounts converted to annual salaries by NEA Research. No allowance made for possible increase during the first year of employment.

[b] For earned doctor's degree or seven years of preparation.

[c] Computed by NEA Research from data presented by the College Placement Council.

ND = No data available.

TABLE 25.—FAMILY INCOME, 1950, 1955, 1960, 1965, AND 1970 TO 1981

	Median income		Percent distribution—Total money income in current dollars							
Year	Current dollars	1981 dollars	Under $5,000	$5,000—9,999	$10,000—14,999	$15,000—19,999	$20,000—24,999	$25,000—34,999	$35,000 and over	Total[a]
1	2	3	4	5	6	7	8	9	10	11
1950	$ 3,319	$12,539	76.8	20.0	←3.2→					100
1955	4,418	15,008	58.7	35.1	4.8	0.6	0.3	←0.5→		100
1960	5,620	17,259	42.0	43.6	10.6	2.1	0.8	←0.9→		100
1965	6,957	20,057	31.6	43.1	17.7	4.6	1.5	←1.4→		100
1970	9,867	23,109	19.1	31.8	26.8	13.1	4.6	3.0	1.6	100
1971	10,285	23,100	18.4	29.8	27.0	14.4	5.1	3.5	1.9	100
1972	11,116	24,166	16.7	27.0	26.1	16.7	6.3	4.8	2.5	100
1973	12,051	24,668	14.6	24.4	25.5	18.8	7.4	6.1	3.1	100
1974	12,902	23,791	12.7	22.6	24.2	18.1	10.5	8.0	3.9	100
1975	13,719	23,185	12.0	21.2	22.3	18.8	11.6	9.5	4.6	100
1976	14,958	23,903	10.3	19.6	20.2	19.1	12.9	11.8	6.0	100
1977	16,009	24,030	9.4	18.2	18.5	17.8	13.9	14.5	7.9	100
1978	17,640	24,590	8.2	15.9	16.7	16.9	14.5	17.6	10.3	100
1979	19,661	24,635	6.9	13.5	15.6	15.0	14.4	19.2	15.5	100
1980	21,023	23,209	6.2	12.7	14.2	14.0	13.7	19.8	19.5	100
1981	22,388	22,388	5.8	11.5	13.6	12.6	12.6	20.2	23.8	100

SOURCE: U.S. Department of Commerce, Bureau of the Census. *Money Income and Poverty Status of Families and Persons in the United States: 1981 (Advance Report).* Current Population Reports, Consumer Income Series, P-60, No. 134. Washington, D.C.: the Bureau, July 1982.

[a] Because of rounding, percents may not add to 100.

TABLE 26.—PER CAPITA EFFECTIVE BUYING INCOME, BY REGION AND BY STATE, 1974 TO 1981

Region and state	1974	1975	1976	1977	1978	1979	1980	1981
1	2	3	4	5	6	7	8	9
UNITED STATES	$4,602	$5,003	$5,449	$5,986	$6,552	$7,305	$ 7,940	$ 8,710
NEW ENGLAND	4,794	5,279	5,687	6,157	6,795	7,444	8,432	9,344
Connecticut	5,571	5,946	6,501	6,925	7,626	8,360	9,677	10,772
Maine	3,868	4,347	4,636	5,126	5,453	6,040	6,592	7,406
Massachusetts	4,725	5,318	5,663	6,110	6,846	7,459	8,479	9,325
New Hampshire	4,405	4,624	5,054	5,655	6,249	6,920	7,729	8,558
Rhode Island	4,587	5,058	5,474	6,073	6,485	7,082	7,901	8,778
Vermont	3,686	4,101	4,545	5,110	5,447	6,246	6,718	7,218
MIDDLE ATLANTIC	5,012	5,477	5,922	6,427	6,923	7,626	8,436	9,336
New Jersey	5,516	5,893	6,328	6,951	7,621	8,368	9,200	10,154
New York	5,051	5,601	5,989	6,453	6,878	7,583	8,501	9,467
Pennsylvania	4,637	5,028	5,568	6,062	6,558	7,227	7,864	8,633
EAST NORTH CENTRAL	4,887	5,231	5,717	6,374	6,860	7,267	8,197	9,009
Illinois	5,327	5,708	6,341	6,940	7,299	8,279	8,904	9,808
Indiana	4,588	4,892	5,250	5,886	6,486	7,197	7,579	8,224
Michigan	4,975	5,271	5,837	6,606	7,004	7,679	8,235	9,130
Ohio	4,751	5,075	5,423	6,079	6,613	7,358	7,926	8,769
Wisconsin	4,307	4,758	5,195	5,791	6,515	7,074	7,755	8,303
WEST NORTH CENTRAL	4,500	4,827	5.318	5,668	6,267	7,202	7,949	8,375
Iowa	4,641	4,900	5,461	5,867	6,439	7,508	8,070	8,361
Kansas	4,785	5,164	5,634	6,034	6,532	7,627	8,786	9,185
Minnesota	4,510	4,816	5,325	5,604	6,333	7,283	8,088	8,475
Missouri	4,293	4,639	5,124	5,661	6,211	6,930	7,508	8,104
Nebraska	4,582	4,933	5,414	5,699	6,221	7,167	7,987	8,357
North Dakota	4,689	5,061	5,483	5,023	5,625	6,625	7,651	7,962
South Dakota	3,999	4,296	4,612	4,550	5,377	6,545	7,086	7,423
SOUTH ATLANTIC	4,259	4,646	5,062	5,554	6,088	6,795	7,235	8,009
Delaware	4,910	5,302	5,765	6,306	6,910	7,624	8,087	9,112
District of Columbia	6,275	6,865	7,063	7,894	8,605	9,378	10,342	11,136
Florida	4,365	4,745	5,145	5,686	6,292	7,133	7,415	8,298
Georgia	3,890	4,274	4,721	5,237	5,678	6,190	6,668	7,248
Maryland	4,922	5,321	5,797	6,255	6,734	7,489	8,217	9,267
North Carolina	3,956	4,368	4,734	5,167	5,631	6,306	6,627	7,175
South Carolina	3,654	3,940	4,332	4,809	5,256	5,957	6,274	6,925
Virginia	4,406	4,810	5,294	5,706	6,344	7,019	7,709	8,666
West Virginia	3,685	4,084	4,424	5,007	5,600	6,315	6,618	7,124
EAST SOUTH CENTRAL	3,709	4.006	4,391	4,925	5,362	5,940	6,338	6,861
Alabama	3,566	3,906	4,288	4,825	5,304	5,822	6,305	6,870
Kentucky	3,924	4,138	4,539	5,078	5,588	6,296	6,458	6,987
Mississippi	3,278	3,590	3,897	4,418	4,859	5,190	5,611	5,941
Tennessee	3,898	4,215	4,635	5,164	5,509	6,167	6,668	7,255
WEST SOUTH CENTRAL	3,994	4,429	4,922	5,506	6,127	6,948	7,600	8,480
Arkansas	3,427	3,764	4,231	4,850	5,375	5,805	6,227	6,625
Louisiana	3,794	4,152	4,559	5,089	5,644	6,290	7,032	7,897
Oklahoma	3,997	4,354	4,760	5,321	5,919	6,677	7,788	8,502
Texas	4,182	4,644	5,187	5,784	6,446	7,393	7,946	8,941
ROCKY MOUNTAIN	4,248	4,583	4,947	5,477	6,082	6,908	7,396	8,050
Arizona	4,206	4,583	4,896	5,396	6,099	7,040	7,162	7,823
Colorado	4,527	4,915	5,328	5,872	6,521	7,410	8,172	8,997
Idaho	4,326	4,559	4,780	5,308	5,565	6,364	6,655	7,133
Montana	4,141	4,506	4,842	5,134	5,530	6,211	7,142	7,805
Nevada	5,238	5,491	5,947	6,709	7,419	8,180	8,633	9,478
New Mexico	3,680	3,899	4,256	4,821	5,477	6,211	6,866	7,357
Utah	3,746	4,088	4,494	4,982	5,500	6,116	6,237	6,715
Wyoming	4,457	4,805	5,242	5,940	6,724	7,735	8,861	9,444
PACIFIC	5,027	5,509	5,955	6,537	7,306	8,111	8,849	9,637
Alaska	5,343	6,906	8,003	7,815	8,324	9,196	10,185	11,219
California	5,113	5,587	6,062	6,650	7,426	8,233	9,027	9,841
Hawaii	4,826	5,275	5,708	6,122	6,781	7,889	8,018	8,658
Oregon	4,376	4,787	5,256	5,728	6,433	7,163	7,699	8,248
Washington	4,955	5,429	5,608	6,344	7,171	7,947	8,632	9,436

SOURCE: Sales Management, *Survey of Buying Power*, various issues. © 1975, 1976, 1977, 1978, 1979, 1980, 1981, and 1982. Sales Management Survey of Buying Power; further reproduction is forbidden.

TABLE 27.—PER CAPITA PERSONAL INCOME, BY REGION AND BY STATE, 1973 TO 1981 (in current dollars)

Region and state 1	1973 2	1974 3	1975 4	1976 5	1977 6	1978 7	1979 8	1980 9	1981 10
UNITED STATES	$4,980	$5,428	$5,861	$ 6,401	$ 7,043	$7,846	$8,757	$9,458	$10,491
NEW ENGLAND	5,164	5,635	6,030	6,559	7,163	7,955	8,916	9,929	11,058
Connecticut	5,869	6,391	6,799	7,340	8,044	8,973	10,129	11,445	12,816
Maine	4,085	4,493	4,766	5,356	5,748	6,335	7,052	7,734	8,535
Massachusetts	5,198	5,666	6,077	6,590	7,201	7,952	8,901	9,992	11,128
New Hampshire	4,604	5,022	5,417	6,040	6,646	7,495	8,370	8,980	9,994
Rhode Island	4,779	5,287	5,709	6,205	6,790	7,624	8,500	9,250	10,153
Vermont	4,225	4,580	4,924	5,399	5,837	6,568	7,434	7,839	8,723
MIDEAST	5,415	5,928	6,380	6,874	7,431	8,203	9,110	10,056	11,301
Delaware	5,640	6,087	6,547	7,089	7,651	8,402	9,280	10,195	11,095
District of Columbia	5,952	6,595	7,262	7,967	8,721	9,418	10,452	11,883	13,539
Maryland	5,460	5,951	6,403	7,054	7,612	8,516	9,333	10,322	11,477
New Jersey	5,807	6,326	6,794	7,288	7,927	8,796	9,746	10,755	12,127
New York	5,561	6,076	6,519	6,923	7,433	8,192	9,106	10,143	11,466
Pennsylvania	4,890	5,402	5,841	6,404	6,969	7,663	8,558	9,294	10,370
GREAT LAKES	5,211	5,644	6,047	6,677	7,417	8,221	9,126	9,771	10,656
Illinois	5,666	6,215	6,735	7,308	8,049	8,900	9,859	10,658	11,576
Indiana	4,909	5,225	5,609	6,250	6,940	7,716	8,570	8,978	9,720
Michigan	5,340	5,670	5,991	6,760	7,604	8,507	9,381	9,847	10,790
Ohio	4,973	5,433	5,778	6,411	7,091	7,826	8,713	9,398	10,313
Wisconsin	4,747	5,182	5,616	6,087	6,823	7,515	8,470	9,254	10,035
PLAINS	5,037	5,267	5,719	6,075	6,796	7,605	8,487	9,154	10,270
Iowa	5,166	5,327	5,894	6,171	6,899	7,887	8,669	9,178	10,474
Kansas	5,149	5,505	5,958	6,444	7,110	7,989	9,099	9,958	10,813
Minnesota	5,115	5,422	5,779	6,214	7,106	7,821	8,746	9,519	10,768
Missouri	4,689	5,007	5,476	5,935	6,617	7,311	8,248	8,846	9,651
Nebraska	5,127	5,196	5,882	6,057	6,661	7,412	8,291	8,914	10,366
North Dakota	6,064	5,879	5,888	5,756	5,947	7,635	7,683	8,556	10,213
South Dakota	4,948	4,753	5,009	4,956	5,868	6,335	6,992	7,452	8,833
SOUTHEAST	4,278	4,689	5,028	5,543	6,090	6,826	7,621	8,116	9,014
Alabama	3,852	4,233	4,635	5,159	5,651	6,345	6,971	7,484	8,219
Arkansas	3,829	4,271	4,510	4,933	5,450	6,182	6,953	7,180	8,044
Florida	4,973	5,338	5,631	6,094	6,740	7,591	8,521	8,987	10,165
Georgia	4,391	4,755	5,029	5,530	6,030	6,825	7,627	8,000	8,934
Kentucky	4,021	4,520	4,887	5,404	5,968	6,645	7,377	7,718	8,420
Louisiana	3,899	4,373	4,803	5,399	5,985	6,739	7,594	8,282	9,518
Mississippi	3,460	3,781	4,047	4,519	5,027	5,586	6,200	6,508	7,408
North Carolina	4,251	4,624	4,940	5,473	5,941	6,660	7,382	7,852	8,649
South Carolina	3,945	4,405	4,665	5,179	5,676	6,340	7,056	7,519	8,039
Tennessee	4,149	4,506	4,804	5,344	5,848	6,585	7,316	7,786	8,447
Virginia	4,851	5,337	5,772	6,333	6,951	7,666	8,588	9,435	10,349
West Virginia	3,981	4,425	4,962	5,479	6,011	6,589	7,402	7,831	8,377
SOUTHWEST	4,517	4,979	5,469	6,023	6,733	7,615	8,600	9,246	10,405
Arizona	4,744	5,123	5,931	5,891	6,520	7,383	8,438	8,649	9,754
New Mexico	3,936	4,328	4,843	5,319	5,919	6,742	7,482	7,956	8,529
Oklahoma	4,371	4,822	5,280	5,740	6,455	7,405	8,394	9,081	10,247
Texas	4,564	5,048	5,584	6,175	6,908	7,784	8,778	9,513	10,729
ROCKY MOUNTAIN	4,734	5,153	5,571	6,060	6,659	7,518	8,319	9,015	10,056
Colorado	5,046	5,495	5,987	6,526	7,184	8,102	9,114	9,964	11,215
Idaho	4,482	5,028	5,179	5,721	6,180	6,983	7,632	8,126	8,937
Montana	4,760	4,976	5,388	5,583	6,020	7,071	7,528	8,445	9,410
Utah	4,100	4,462	4,900	5,379	5,964	6,581	7,182	7,485	8,313
Wyoming	5,120	5,653	6,123	6,777	7,647	8,627	9,630	10,692	11,665
FAR WEST	5,353	5,910	6,474	7,126	7,866	8,782	9,884	10,658	11,669
California	5,444	6,015	6,575	7,229	7,975	8,879	10,037	10,856	11,923
Nevada	5,698	6,063	6,625	7,318	8,276	9,506	10,500	10,458	11,576
Oregon	4,829	5,312	5,769	6,419	7,190	8,078	8,887	9,400	10,008
Washington	5,089	5,647	6,298	6,931	7,585	8,542	9,531	10,363	11,277
Alaska	6,066	7,137	9,636	10,274	10,417	10,504	11,152	12,406	13,763
Hawaii	5,564	6,134	6,708	7,134	7,712	8,450	9,248	9,787	11,036

SOURCE: U.S. Department of Commerce, *Survey of Current Business,* August 1982.

TABLE 28. PER CAPITA PERSONAL INCOME INDEX, BY REGION AND BY STATE, 1973 TO 1981

Region and state 1	1973 2	1974 3	1975 4	1976 5	1977 6	1978 7	1979 8	1980 9	1981 10
UNITED STATES	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
NEW ENGLAND	103.7	103.8	102.9	102.5	101.7	101.4	101.8	105.0	105.4
Connecticut	117.9	117.7	116.0	114.7	114.2	114.4	115.7	121.0	122.2
Maine	82.0	82.8	81.3	83.7	81.6	80.7	80.5	81.8	81.4
Massachusetts	104.4	104.4	103.7	103.0	102.2	101.4	101.6	105.6	106.1
New Hampshire	92.4	92.5	92.4	94.4	94.4	95.5	95.6	94.9	95.3
Rhode Island	96.0	97.4	97.4	96.9	96.4	97.2	97.1	97.8	96.8
Vermont	84.8	84.4	84.0	84.3	82.9	83.7	84.9	82.9	83.1
MIDEAST	108.7	109.2	108.9	107.4	105.5	104.6	104.0	106.3	107.7
Delaware	113.3	112.0	111.7	110.7	108.6	107.1	106.0	107.8	105.8
District of Columbia	119.5	121.5	123.9	124.5	123.8	120.0	119.4	125.6	129.1
Maryland	109.6	109.6	109.2	110.2	108.1	108.5	106.6	109.1	109.4
New Jersey	116.6	116.5	115.9	113.9	112.6	112.1	111.3	113.7	115.6
New York	111.7	112.0	111.2	108.2	105.5	104.4	104.0	107.2	109.3
Pennsylvania	98.2	99.5	99.7	100.0	98.9	97.7	97.7	98.3	98.8
GREAT LAKES	104.6	104.0	103.2	104.3	105.3	104.8	104.2	103.3	101.6
Illinois	113.8	114.5	114.9	114.2	114.3	113.4	112.6	112.7	110.3
Indiana	98.6	96.3	95.7	97.6	98.5	98.3	97.9	94.9	92.7
Michigan	107.2	104.5	102.2	105.6	108.0	108.4	107.1	104.1	102.9
Ohio	99.9	100.1	98.6	100.2	100.7	99.7	99.5	99.4	98.3
Wisconsin	95.3	95.5	95.8	95.1	96.9	95.8	96.7	97.8	95.7
PLAINS	101.1	97.0	97.6	94.9	96.5	96.9	96.9	96.8	97.9
Iowa	103.7	98.1	100.6	96.4	98.0	100.5	99.0	97.0	99.8
Kansas	103.4	101.4	101.7	100.7	101.0	101.8	103.9	105.3	103.1
Minnesota	102.7	99.9	98.6	97.1	100.9	99.7	99.9	100.6	102.6
Missouri	94.2	92.2	93.4	92.7	94.0	93.2	94.2	93.5	92.0
Nebraska	103.0	95.7	100.4	94.6	94.6	94.5	94.7	94.2	98.8
North Dakota	121.8	108.3	100.5	89.9	84.4	97.3	87.7	90.5	97.4
South Dakota	99.4	87.6	85.5	77.4	83.3	80.7	79.8	78.8	84.2
SOUTHEAST	85.8	86.4	85.8	86.6	86.5	87.0	87.0	85.8	85.9
Alabama	77.3	78.0	79.1	80.6	80.2	80.9	79.6	79.1	78.3
Arkansas	76.9	78.7	76.9	77.1	77.4	78.8	79.4	75.9	76.7
Florida	99.9	98.3	96.1	95.2	95.7	96.7	97.3	95.0	96.9
Georgia	88.7	87.6	85.8	86.4	85.6	87.0	87.1	84.6	85.2
Kentucky	80.7	83.3	83.4	84.4	84.7	84.7	84.2	81.6	80.3
Louisiana	78.3	80.6	81.9	84.3	85.0	85.9	86.7	87.6	90.7
Mississippi	69.5	69.7	69.0	70.6	71.4	71.2	70.8	68.8	70.6
North Carolina	85.4	85.2	84.3	85.5	84.4	84.9	84.3	83.0	82.4
South Carolina	79.2	81.2	79.6	80.9	80.6	80.8	80.6	79.5	76.6
Tennessee	83.3	83.0	82.0	83.5	83.0	83.9	83.5	82.3	80.5
Virginia	97.4	98.3	98.5	98.9	98.7	97.7	98.1	99.8	98.6
West Virginia	79.9	81.5	84.7	85.6	85.3	84.0	84.5	82.8	79.8
SOUTHWEST	90.7	91.7	93.3	94.1	95.6	97.1	98.2	97.8	99.2
Arizona	95.3	94.4	92.0	92.0	92.6	94.1	96.4	91.4	93.0
New Mexico	79.0	79.7	82.6	83.1	84.0	85.9	85.4	84.1	81.3
Oklahoma	87.8	88.8	90.1	89.7	91.7	94.4	95.9	96.0	97.7
Texas	91.6	93.0	95.3	96.5	98.1	99.2	100.2	100.6	102.3
ROCKY MOUNTAIN	95.1	94.9	95.1	94.7	94.5	95.8	95.0	95.3	95.9
Colorado	101.3	101.2	102.1	102.0	102.0	103.3	104.1	105.3	106.9
Idaho	90.0	92.6	88.4	89.4	87.7	89.0	87.2	85.9	85.2
Montana	95.6	91.7	91.9	87.2	85.5	90.1	86.0	89.3	89.7
Utah	82.3	82.2	83.6	84.0	84.7	83.9	82.0	79.1	79.2
Wyoming	102.8	104.2	104.5	105.9	108.6	110.0	110.0	113.0	111.2
FAR WEST	107.5	108.9	110.5	111.3	111.7	111.9	112.9	112.7	111.2
California	109.3	110.8	112.2	112.9	113.2	113.2	114.6	114.8	113.6
Nevada	114.4	111.7	113.0	114.3	117.5	121.2	119.9	110.6	110.3
Oregon	97.0	97.9	98.4	100.3	102.1	103.0	101.5	99.4	95.4
Washington	102.2	104.0	107.5	108.3	107.7	108.9	108.8	109.6	107.5
Alaska	121.8	131.5	164.4	160.5	147.9	133.9	127.3	131.2	131.2
Hawaii	111.7	113.0	114.5	111.5	109.5	107.7	105.6	103.5	105.2

SOURCE: Computed from data in Table 27.

TABLE 29.—AVERAGE WEEKLY AND ANNUAL EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS, ALL PRIVATE NONAGRICULTURAL PAYROLLS,[ab] 1960 TO 1982

Year	Average weekly hours	Average hourly rate	Average weekly earnings	Estimated annual earnings[c]	
				Amount	Index: 1967=100.0
1	2	3	4	5	6
1960	38.6	$2.09	$ 80.67	$ 4,195	79.2
1961	38.6	2.14	82.60	4,295	81.1
1962	38.7	2.22	85.91	4,467	84.3
1963	38.8	2.28	88.46	4,600	86.9
1964	38.7	2.36	91.33	4,749	89.7
1965	38.8	2.46	95.45	4,963	93.7
1966	38.6	2.56	98.82	5,139	97.0
1967	38.0	2.68	101.84	5,296	100.0
1968	37.8	2.85	107.73	5,602	105.8
1969	37.7	3.04	114.61	5,960	112.5
1970	37.1	3.23	119.83	6,231	117.7
1971	36.9	3.45	127.31	6,620	125.0
1972	37.0	3.70	136.90	7,119	134.4
1973	36.9	3.94	145.39	7,560	142.7
1974	36.5	4.24	154.76	8,048	152.0
1975	36.1	4.53	163.53	8,504	160.6
1976	36.1	4.86	175.45	9,123	172.3
1977	36.0	5.25	189.00	9,828	185.6
1978	35.8	5.69	203.70	10,592	200.0
1979	35.6	6.16	219.30	11,404	215.3
1980	35.3	6.66	235.10	12,225	230.8
1981	35.2	7.25	255.20	13,270	250.6
1982 (10 months)	34.8	7.64	265.87	13,825	261.0

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics. *Employment and Earnings*, November 1982.

[a] Data relate to production workers in mining and manufacturing; to construction workers in contract construction; and to nonsupervisory workers in wholesale and retail trade; finance, insurance, and real estate; transportation and public utilities and services.

[b] These data are periodically revised by the Bureau of Labor Statistics.

[c] Computed by NEA Research from weekly earnings shown in report.